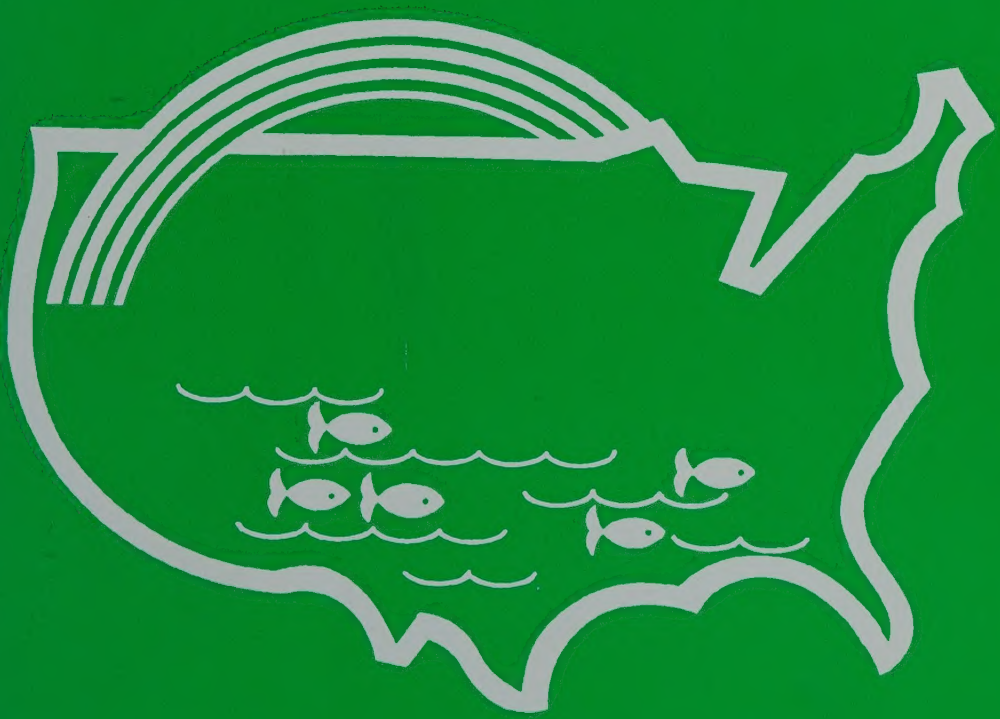
Current Fishery Statistics No. 9200

Fisheries of the United States, 1992

May 1993



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service

Current Fishery Statistics No. 9200

Fisheries of the United States, 1992

Prepared by:
Fisheries Statistics Division

Mark C. Holliday, Chief
Barbara K. O'Bannon, Editor

Silver Spring, MD
May 1993

U.S. DEPARTMENT OF COMMERCE
Ronald H. Brown, Secretary

National Oceanic and Atmospheric Administration
D. James Baker, Under Secretary

National Marine Fisheries Service

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402

PREFACE

FISHERIES OF THE UNITED STATES, 1992

This publication is a preliminary report for 1992 on commercial and recreational fisheries of the United States with catches in both the U.S. Exclusive Economic Zones (EEZ) and international waters. This annual report provides timely answers to frequently asked questions.

SOURCES OF DATA

Information in this report came from many sources. Field offices of the National Marine Fisheries Service (NMFS), in cooperation with various States, collected and compiled data on U.S. commercial landings and processed fishery products. The NMFS field offices compiled data on the foreign catch from reports submitted by designated foreign officials. The NMFS Fisheries Statistics Division in Silver Spring, MD, managed the collection and compilation of recreational statistics, and tabulated and prepared all data for publication. Sources of other data appearing in this publication are: U.S. Bureau of the Census, U.S. Bureau of Labor Statistics, U.S. Coast Guard, U.S. Customs Service, U.S. Department of the Interior, U.S. Department of Agriculture, Food and Agriculture Organization (FAO) of the United Nations and the countries fishing in the U.S. EEZ.

PRELIMINARY AND FINAL DATA

Data on U.S. commercial and recreational landings, employment, prices, and production of processed products are preliminary for 1992. Final data will be published in other NMFS Current Fishery Statistics publications.

The Fisheries Statistics Division of NMFS takes this opportunity to thank members of states, industry, and foreign nations who provided the data that made this publication possible.

Program leaders of the field offices were: Ronnee Schultz, New England, Middle Atlantic, and Chesapeake; Tony Frank, Great Lakes Fisheries Commission, Great Lakes States; Kenneth Harris, Guy Davenport, Lee Usie, and Margot Hightower for the South Atlantic and Gulf States; Patricia J. Donley, California and Hawaii; John K. Bishop, Oregon and Washington; and Patsy Bearden, Alaska.

DEFINITIONS - (Also see Glossary)

As in past issues of this publication, the units of quantity and value are defined as follows: U.S. landings are shown in round weight (mollusk shells excluded), unless otherwise noted; quantities shown for U.S. imports and exports are in product weight, as reported by the U.S. Bureau of the Census, unless otherwise noted; the value of the U.S. domestic commercial catch is exvessel; in the Review Section on important species actual and deflated exvessel prices are shown. The deflated value was computed using the Gross Domestic Products Implicit Price Deflator; the value for U.S. imports is generally the market value in the foreign (exporting) country and, therefore, excludes U.S. import duties, freight charges from the foreign country to the United States, and insurance; the value for exports is generally the value at the U.S. port of export, based on the selling price, including inland freight, insurance, and other charges. Countries and territories shown in the U.S. foreign trade section are established for statistical purposes in the Tariff Schedules of the United States Annotated (International Trade Commission) and reported by the U.S. Bureau of the Census.

SUGGESTIONS

The Fisheries Statistics Division wishes to provide the kinds of data sought by users of fishery statistics, and welcomes any comments or suggestions that will improve this publication.

Address all comments or questions to:

Fisheries Statistics Division, (F/RE1)
National Marine Fisheries Service, NOAA
1335 East-West Highway, Room 8313
Silver Spring, MD 20910
301-713-2328

Members of the Fisheries Statistics Division in Silver Spring, who helped with this publication were: Paul Anninos, Amy Buss, Gerry Butler, Edward Dickens, Josanne Fabian, Ray Glass, Gerry Gray, Deborah Hogans, Mark Holliday, Willie Mae Holloway, Steven Koplin, Debbie Marks, Barbara O'Bannon, Maury Osborn, Robert Rosette, Ron Salz, James Sargent, Richard Schween, David Sutherland, William Uttley, David Van Voorhees, Lelia Wise, and John Witzig.

A special thanks to Donald FitzGibbon for his assistance in preparing this publication.

CONTENTS

	Page
PREFACE AND ACKNOWLEDGEMENT	ii
REVIEW	iv
U.S. COMMERCIAL FISHERY LANDINGS:	
Species	1
Disposition	3
States	4
Regions	4
Ports	5
Catch by species and distance from shore (thousand pounds)	6
Catch by species and distance from shore (metric tons)	10
U.S. Aquaculture Production, Estimated 1983-1991	14
Historical Landings -- TOTAL BY STATES	16
U.S. MARINE RECREATIONAL FISHERIES	26
WORLD FISHERIES:	
U.S. and world	33
Countries	34
Continents	35
Fishing areas	35
Species groups	36
Disposition	36
Imports and exports, by leading countries	37
U.S. PRODUCTION OF PROCESSED FISHERY PRODUCTS:	
Value	38
Fish sticks, fish portions, and breaded shrimp	38
Fillets and steaks	39
Canned	40
Industrial	43
U.S. COLD STORAGE HOLDINGS	44
U.S. IMPORTS:	
Principal items	47
Edible and nonedible	48
Value and duties	48
Continent and country	49
Blocks	50
Groundfish fillets and steaks, species	50
Canned tuna and quota	51
Shrimp	52
Industrial	53
U.S. EXPORTS:	
Principal items	55
Edible and nonedible	56
Continent and country	57
U.S. EXPORTS - Continued:	
Shrimp	58
Salmon	59
Crab	60
Crabmeat	60
Herring	60
Industrial	61
U.S. SUPPLY:	
Edible and nonedible	62
Finfish and shellfish	63
Blocks	64
All fillets and steaks	64
Groundfish fillets and steaks	64
Tuna	65
Canned sardines	66
Canned salmon	66
Clam meats	66
King crab	67
Snow (tanner) crab	67
Canned crabmeat	67
Lobster, American	68
Lobster, spiny	68
Oysters	69
Scallop meats	69
Shrimp	70
Industrial	71
PER CAPITA:	
U.S. consumption	72
U.S. use	75
World consumption-by region and country	76
PRICES, INDEX OF EXVESSEL	78
VALUE ADDED	80
EMPLOYMENT, CRAFT, AND PLANTS	83
FISHERY PRODUCTS INSPECTION	85
MAGNUSON FISHERY CONSERVATION AND MANAGEMENT ACT OF 1976 (MFCMA):	
General	86
Optimum yield, U.S. capacity, reserve, and allocations	89
GENERAL ADMINISTRATIVE INFORMATION	90
PUBLICATONS:	
NOAA Library Services	97
Government Printing Office	97
National Marine Fisheries Service -- National Technical Informaton Service	98
Other Fisheries Informaton	105
SERVICES:	
Fisheries Development	106
Sea Grant Marine Advisory	107
Inspection	Inside back cover
GLOSSARY	109
INDEX	113

REVIEW

U.S. LANDINGS. Commercial landings (edible and industrial) by U.S. fishermen at ports in the 50 states were a record 9.6 billion pounds or 4.4 million metric tons valued at $3.7 billion in 1992--an increase of 153.1 million pounds (up 2 percent) but a decrease of $369.7 million (down 11 percent) compared with 1991. The 1992 landings showed an increase in major species such as Pacific hake, flounders, Alaska pollock, clams, oysters, and shrimp when compared with 1991. The 1992 average exvessel price per pound paid to fishermen was 38 cents compared to the 35 cents they received in 1991. Finfish accounted for 85 percent of total landings, but only 55 percent of the total value.

Commercial landings by U.S. fishermen at ports outside the 50 states or transferred to internal water processing vessels (IWPs) were an additional 597.7 million pounds (271,000 metric tons) valued at $205.5 million. This was a 9 percent, or 59.4 million pound (26,900 metric ton) decrease in quantity and a $8.6 million (4 percent) decrease in value compared with 1991. Most of these landings consisted of tuna landed at canneries in Puerto Rico, American Samoa and other foreign ports and IWP transfers of sea herring, mackerel, and menhaden.

Edible fish and shellfish landings in the 50 states were 7.6 billion pounds (3.5 million metric tons) in 1992--an increase of 587,000 pounds (266,300 metric tons) compared with 1991. Landings of tuna, clams, flounders, and Alaska pollock increased while landings of salmon, Pacific cod, shrimp, crabs, and sea scallops decreased.

Landings for reduction and other industrial purposes were 2.0 billion pounds (915,800 metric tons) in 1992--a decrease of 18 percent compared with 1991.

The 1992 U.S. marine recreational finfish catch (including fish caught and released alive) on the Atlantic and Gulf coasts was an estimated 285.5 million fish taken on an estimated 52.1 million fishing trips. The harvest (fish kept) was estimated at 144.2 million fish weighing 233.0 million pounds.

WORLD LANDINGS. In 1991, the most recent year for which data are available, world commercial fishery landings were 96.9 million metric tons--a decrease of 508,000 metric tons (down 1 percent) compared with 1990.

China was the leading nation with 14 percent of the total catch; Japan, second with 10 percent; the former USSR, third with 10 percent; Peru, fourth with 7 percent; Chile, fifth with slightly over 6 percent; and United States, sixth with slightly under 6 percent.

PRICES. Exvessel price indices declined for 13 of the 33 species groups being tracked, and increased or remained constant for the remaining 20 species groups. The sockeye salmon price index had the largest increase (55 percent) while the bluefin tuna price index had the largest decrease (59 percent). The 1992 annual exvessel price index for edible fish and shellfish increased 3 percent from 1991. The annual index for industrial fish increased 25 percent from 1991.

PROCESSED PRODUCTS. The estimated value of the 1992 domestic production of edible and nonedible fishery products was $7.5 billion, $521.0 million (7 percent) higher than the $7.0 billion in 1991. The value of edible products was $7.1 billion--an increase of $495.4 million (7 percent) compared with 1991. The value of industrial products was $438.7 million in 1992--an increase of $25.6 million (6 percent) compared with 1991.

FOREIGN TRADE. The total import value of edible and nonedible fishery products was $9.9 billion in 1992--an increase of $436.2 million (5 percent) compared with 1991. Imports of edible fishery products (product weight) were 2.9 billion pounds (1.3 million metric tons) valued at $5.7 billion in 1992--a decrease of 120.8 million pounds (4 percent), but an increase of $34.0 million (1 percent) compared with 1991. Imports of nonedible (i.e., industrial) products were $4.2 billion--an increase of $402.2 million (11 percent) compared with 1991.

Total export value of edible and nonedible fishery products of domestic origin was a record $7.1 billion in 1992--an increase of $577.9 million (9 percent) compared with 1991. United States firms exported a record 2.1 billion pounds (946,900 metric tons) of edible products valued at a record $3.5 billion--an increase of 28.9 million pounds (13,100 metric tons) and $310.0 million compared with 1991. Exports of nonedible products were valued at a record $3.7 billion, $267.9 million more than 1991.

REVIEW

SUPPLY. The U.S. supply of edible fishery products (domestic landings plus imports, round weight equivalent) was 13.2 billion pounds (5.0 million metric tons) in 1992--an increase of 222.0 million pounds (2 percent) compared with 1991. The change reflects a decrease of 6 percent in imports and an increase of 8 percent in domestic commercial landings. The supply of industrial fishery products was 2.9 billion pounds (1.3 million metric tons) in 1992--a decrease of 479.0 million pounds (14 percent) compared with 1991.

PER CAPITA CONSUMPTION. U.S. consumption of fishery products was 14.8 pounds of edible meat per person in 1992, down 0.1 pound from the 1991 per capita consumption of 14.9 pounds (see page 72).

CONSUMER EXPENDITURES. U.S. consumers spent an estimated $35.2 billion for fishery products in 1992. The 1992 total includes $24.2 billion in expenditures at food service establishments (restaurants, carry-outs, caterers, etc.); $10.7 billion in retail sales for home consumption; and $229.8 million for industrial fish products. By producing and marketing a variety of fishery products for domestic and foreign markets, the commercial marine fishing industry contributed $18.5 billion (in value added) to the U.S. Gross National Product. The model used to estimate value added has been updated to reflect current market conditions. (See description on page 80).

REVIEW

OTHER IMPORTANT FACTS

Alaska pollock, with landings of 3.0 billion pounds (1.3 million metric tons), was the most important species in quantity and fourth in value for 1992, accounting for 31 percent of the commercial fishery landings in the United States.

Menhaden was the second most important species in quantity, but was low in value.

Salmon were third in quantity and first in value.

Flounders were fourth in quantity and seventh in value.

Crabs were fifth in quantity and third in value.

Cods were sixth in quantity and fifth in value.

Shrimp were second in value and seventh in quantity.

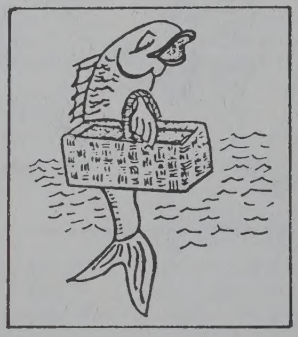
Tuna landings by U.S.-flag vessels at ports outside the continental United States amounted to 520.6 million pounds. Groupers, halibut, menhaden, snappers, and miscellaneous species also were landed at ports outside the United States. In addition, catches of mackerel, sea herring, and menhaden were transferred to internal water processing vessels in U.S. waters.

Dutch Harbor-Unalaska, Alaska, was the leading U.S. port in quantity of commercial fishery landings, followed by: Kodiak, Alaska; Empire-Venice, Louisiana; Cameron, Louisiana; and Pascagoula-Moss Point, Mississippi.

Dutch Harbor-Unalaska was leading U.S. port in terms of value, followed by: New Bedford, Massachusetts; Kodiak, Alaska; Kenai, Alaska; and Brownsville-Port Isabel, Texas.

Alaska led all states in volume with landings of 6.0 billion pounds, followed by Louisiana, 1.0 billion; Virginia, 630.5 million; California, 302.4 million; and Massachusetts, 274.3 million pounds.

Alaska led all states in value with $1.6 billion, followed by Louisiana, $295.0 million; Massachusetts, $280.6 million; Texas, $181.4 million; and Maine $163.3 million.



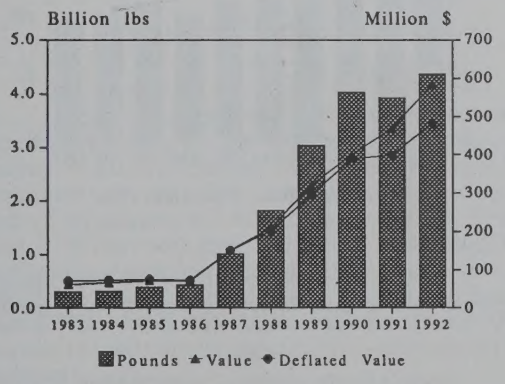
REVIEW

IMPORTANT SPECIES

ALASKA POLLOCK AND OTHER PACIFIC TRAWL FISH. U.S. landings of Pacific trawl fish (Pacific cod, flounders, hake, Pacific ocean perch, Alaska pollock, and rockfishes) were 4.4 billion pounds valued at $584.8 million--an increase of 11 percent in quantity and 24 percent in value compared with 1991.

Landings of Alaska pollock increased 3 percent to 3.0 billion pounds, and were 46 percent higher than the 1987-1991 5-year average. Landings of Pacific cod were 550.5 million pounds -- a decrease of 1 percent from 553.7 million pounds in 1991. Pacific hake (whiting) landings were 123.7 million pounds (up 121 percent) valued at $5.9 million (up 59 percent from 1991), more than four times the 5-year average. Landings of rockfishes were 125.1 million pounds (28 percent more than 1991) valued at $47.3 million. The 1992 rockfish landings were 3 percent higher than the 5-year average.

Trend in Commercial Landings, 1983-1992
Alaska Pollock, Other Pacific Trawl Fish

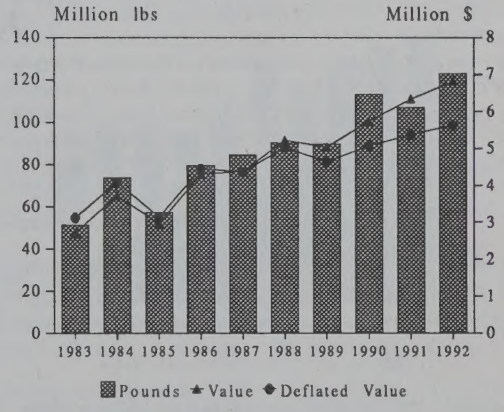


ANCHOVIES. U.S. landings of anchovies were 13.7 million pounds--a decrease of 5.6 million pounds (29 percent) compared with 1991. Eighty-nine percent of all landings were used for bait and less than one percent went into animal food.

HALIBUT. U.S. landings of Atlantic and Pacific halibut were 68.6 million pounds (round weight) valued at $53.8 million--an increase of 2.2 million pounds (3 percent), but a decrease of $45.8 million (46 percent) compared with 1991. The Pacific fishery accounted for all but 48,000 pounds of the 1992 total halibut catch. The average exvessel price per pound in 1992 was 78 cents compared with $1.50 in 1991.

HERRING, SEA. U.S. commercial landings of sea herring were 282.0 million pounds valued at $42.7 million--an increase of 51.8 million pounds (23 percent) and $5.6 million (14 percent) compared with 1991. Landings of Atlantic sea herring were 123.0 million pounds valued at $6.8 million--an increase of 15.9 million pounds (15 percent) and $482,000 (8 percent) compared with 1991. Landings of Pacific sea herring were 159.1 million pounds valued at $35.9 million--an increase of 35.9 million pounds (29 percent) and $5.1 million (16 percent) compared with 1991. Alaskan landings accounted for 91 percent of the Pacific coast total with 145.2 million pounds valued at $27.0 million--an increase of 40.0 million pounds (38 percent) and $3.9 million (17 percent) compared with 1991.

Trend in Commercial Landings, 1983-1992
Atlantic Sea Herring



MACKEREL, JACK. California accounted for all U.S. landings of jack mackerel in 1992 with 2.6 million pounds valued at $245,000--a decrease of 994,000 pounds (27 percent), but an increase of $10,000 (4 percent) compared with 1991. The 1992 average exvessel price per pound was 9 cents compared to 6 cents in 1991.

MACKEREL, ATLANTIC. U.S. landings of Atlantic mackerel were 26.1 million pounds valued at $3.7 million--a decrease of 10.6 million pounds (29 percent) and $1.8 million (32 percent) compared with 1991. Rhode Island with 14.1 million pounds and New Jersey with 8.9 million pounds combined for a total of 88 percent of the total landings. The average exvessel price per pound in 1992 was 14 cents, down one cent from 1991.

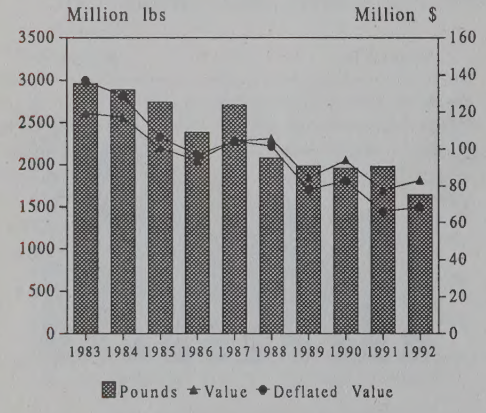
REVIEW

IMPORTANT SPECIES

MACKEREL, PACIFIC. Landings of Pacific mackerel were 41.9 million pounds valued at $4.1 million--a decrease of 21.5 million pounds (34 percent) and $754,000 (15 percent) compared with 1991. The average exvessel price per pound increased from 8 cents in 1991 to 10 cents in 1992.

MENHADEN. U.S. menhaden landings were 1.6 billion pounds valued at $83.0 million--a decrease of 332.7 million pounds (17 percent) but an increase of $5.3 million (7 percent) compared with 1991. Landings decreased by 72.9 million pounds (10 percent) in the Atlantic States and 259.9 million pounds (21 percent) in the Gulf States compared with 1991. Landings along the Atlantic coast

Trend in Commercial Landings, 1983-1992
Atlantic and Gulf Menhaden



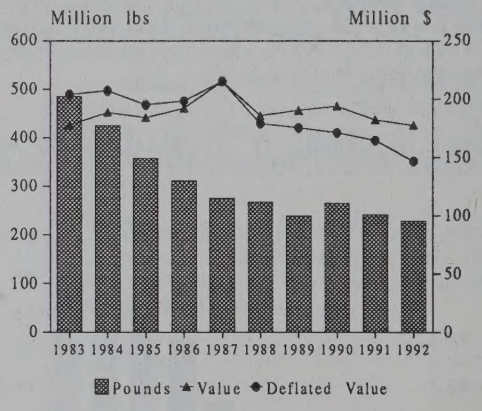
were 690.1 million pounds valued at $33.5 million. Gulf region landings were 954.3 million pounds valued at $49.4 million. Menhaden are used primarily for the production of meal, oil, and solubles. Small quantities are used for bait and animal food.

NORTH ATLANTIC TRAWL FISH. Landings of butterfish, Atlantic cod, cusk, flounders (blackback, fluke, yellowtail and other), haddock, red and white hake, ocean perch, pollock and whiting (silver hake) in the North Atlantic (combination of New England, Middle Atlantic, and Chesapeake Regions) were 219.0 million pounds valued at $167.6 million--a decrease of 22.8 million pounds (9 percent) and $14.6 million (8 percent) compared with 1991. Of these species, flounder led in total value in the North Atlantic accounting for 44 percent of the total; followed by cod, 31 percent; and whiting, 7 percent.

The 1992 landings of Atlantic cod were 61.3 million pounds valued at $52.0 million--a decrease of 31.4 million pounds (34 percent) and $22.1 million (30 percent) compared with 1991. The exvessel price per pound was 85 cents in 1992 compared with 80 cents per pound in 1991.

Landings of yellowtail flounder were 12.4 million pounds--a decrease of 4.7 million pounds (28 percent) from 1991, and 30 percent below the 5-year average.

Trend in Commercial Landings, 1983-1992
North Atlantic Trawl Fish



Haddock landings increased to 5.1 million pounds (26 percent) and $5.6 million (22 percent) compared with 1991.

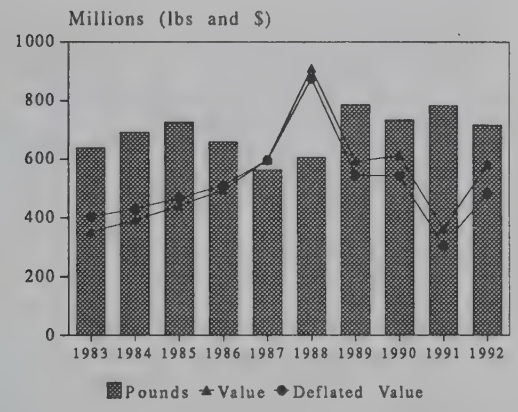
North Atlantic pollock landings were 15.8 million pounds valued at $10.5 million--a decrease of 1.5 million pounds (9 percent) and an increase of $642,000 (6 percent) compared with 1991.

SALMON. U.S. commercial landings of salmon were 715.8 million pounds valued at $582.9 million--a decrease of 67.5 million pounds (9 percent), but an increase of $223.1 million (62 percent) compared with 1991. Alaska and Washington accounted for 96 percent and 3 percent of the total landings, respectively. Red salmon landings were 346.6 million pounds valued at $421.3 million--an increase of 77.8 million pounds (29 percent) and $210.3 million (100 percent) compared with 1991. King salmon landings decreased to 17.8 million pounds--down 2.4 million pounds (12 percent) from 1991. Pink salmon landings were 203.7 million pounds--a decrease of 159.1 million pounds (44 percent). Chum salmon landings were

IMPORTANT SPECIES

90.4 million pounds--an increase of 14.2 million pounds (19 percent). Silver salmon landings were 57.3 million pounds--an increase of 2.0 million pounds (4 percent) compared with 1991.

Trend in Commercial Landings, 1983-1992
Pacific Salmon



Alaska landings were 687.2 million pounds valued at $544.5 million--a decrease of 41.9 million pounds (6 percent), but an increase of $232.8 million (75 percent) compared with 1991. The distribution of Alaska salmon landings by species in 1992 was: sockeye, 343.2 million pounds (50 percent); pink, 203.7 million pounds (30 percent); chum, 75.9 million pounds (11 percent), coho, 53.7 million pounds (8 percent), and chinook, 10.8 million pounds (1 percent). The exvessel price per pound for all species in Alaska was 79 cents in 1992--an increase of 36 cents from 1991.

Washington salmon landings were 24.4 million pounds valued at $30.2 million--a decrease of 20.6 million pounds (46 percent) and $2.9 million (9 percent) compared with 1991. The biennial fishery for pink salmon went from 13.5 million pounds in 1991 to 2,000 pounds in 1992. Washington landings of red salmon were 3.5 million pounds--a decrease of 6.4 million pounds (down 65 percent); followed by chum, 14.5 million pounds (up 34 percent); silver, 2.8 million pounds (down 62 percent); and chinook, 3.7 million pounds (down 15 percent) compared with 1991. The average exvessel price per pound for all species in Washington increased from 74 cents in 1991 to $1.24 in 1992.

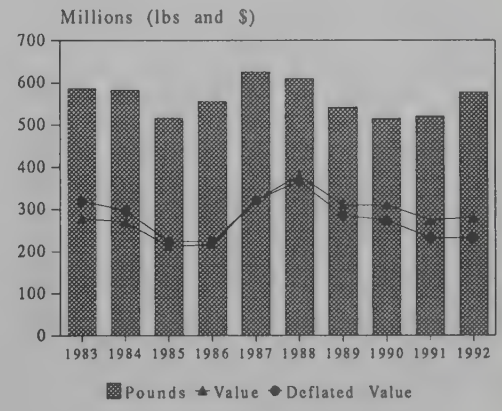
Oregon salmon landings were 2.1 million pounds valued at $3.5 million--a decrease of 3.1 million pounds (59 percent) and $2.2 million (39 percent) compared with 1991. Landings of chinook salmon were 1.7 million pounds (down 7 percent); silver, 447,000 pounds (down 87 percent); and chum, 3,000 pounds, up 200 percent from the 1,000 pounds reported in 1991. The average exvessel price per pound for all species in Oregon increased from $1.10 in 1991 to $1.66 in 1992.

California salmon landings were 1.6 million pounds valued at $4.4 million--a decrease of 2.1 million pounds (56 percent) and $4.6 million (51 percent) compared with 1991. Chinook salmon represented 99 percent of the total California landings with 1.6 million pounds. Landings of silver salmon decreased to 11,000 pounds (98 percent) and $18,000 (97 percent) compared with 1991. The average exvessel price per pound paid to fishermen for all species in 1992 was $2.72 compared with $2.44 in 1991.

SABLEFISH. U.S. commercial landings of sablefish were 75.5 million pounds valued at $79.6 million--a decrease of 8.2 million pounds (10 percent), but an increase of $1.5 million (2 percent) compared with 1991. Landings decreased 13 percent in Alaska to 54.1 million pounds compared with 1991. Landings decreased 17 percent in Washington to 4.6 million pounds. California landings increased 12 percent to 8.0 million pounds when compared with 1991. The 1992 Oregon catch of 8.7 million pounds was 41,000 pounds (5 percent) more than the 1991 catch. The average exvessel price per pound in 1992 was $1.06 compared with 93 cents in 1991.

TUNA. Landings of tuna by U.S. fishermen at ports in the 50 United States, Puerto Rico, American Samoa, other U.S. territories, and foreign ports were 577.4 million pounds valued at $279.9 million —an increase of 5.8 million

Trend in Commercial Landings, 1983-1992
Tuna (Includes U.S. and Foreign Ports)



pounds (11 percent) and $6.2 million (2 percent) compared with 1991. Species composition and value of tuna landings continued to change in 1992 in response to changes in fishing areas. Fishing activity moved from the eastern Pacific Ocean to avoid tuna and porpoise conflicts. The average exvessel price per pound of all species of tuna in 1992 was 48 cents compared with 53 cents in 1991.

Bigeye landings in 1992 were 5.1 million pounds--a decrease of 97,000 pounds (2 percent) compared with 1991. The average exvessel price per pound was $3.83 in 1992 compared with $3.78 in 1991.

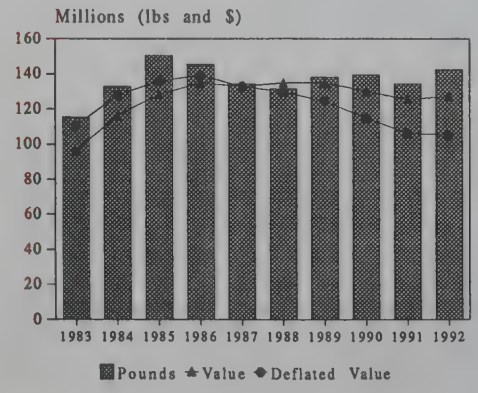
Skipjack landings were 380.6 million pounds--a decrease of 11.0 million pounds (3 percent) compared with 1991. The average exvessel price per pound was 35 cents in 1992, compared to 40 cents in 1991.

Yellowfin landings were 166.5 million pounds--an increase of 61.0 million pounds (58 percent) compared with 1991. The average exvessel price per pound was 55 cents in 1992 compared with 66 cents in 1991.

Bluefin landings were 4.5 million pounds--an increase of 2.6 million pounds (141 percent) compared with 1991. The average exvessel price per pound in 1992 was $3.76 compared with $9.11 in 1991.

CLAMS. Landings of all species yielded 142.4 million pounds of meats valued at $127.3 million--an increase of 8.2 million pounds (6 percent) and $2.1 million (2 percent) compared with 1991. The average exvessel price per pound decreased to 89 cents in 1992 from 93 cents in 1991.

Trend in Commercial Landings, 1983-1992
Clams



Surf clams yielded 74.6 million pounds of meats valued at $32.4 million--a decrease of 8.4 million pounds (13 percent) and $3.2 million (11 percent) compared with 1991. New Jersey was the leading State with 52.9 million pounds (up 15 percent); followed by New York, 12.2 million pounds (up 1 percent); and Maryland, 5.8 million pounds (down 14 percent) compared with 1991. The average exvessel price per pound of meats was 48 cents in 1992, down one cent from 1991.

The ocean quahog fishery produced 50.4 million pounds of meats valued at $19.5 million--an increase of 1.3 million pounds (3 percent) and $492,000 (3 percent) compared with 1991. New Jersey was the leading producer with 39.8 million pounds of meats and accounted for 79 percent of the total ocean quahog landings. The value for New Jersey in 1992 was $13.8 million--an increase of $2.2 million (19 percent) compared with 1991. The average exvessel price per pound of meats was 34 cents in 1992, compared with 33 cents in 1991.

The hard clam fishery produced 12.3 million pounds of meats valued at $55.6 million--an increase of 35,000 pounds (less than one percent), but a decrease of $2.9 million (5 percent) compared with 1991. Landings in the New England region were 4.9 million pounds of meats (up less than one percent); Middle Atlantic region, 3.5 million pounds (down 4 percent); Chesapeake region, 1.1 million pounds (down 8 percent); and the South Atlantic region, 1.7 million pounds (up 2 percent). The average exvessel price per pound of meats decreased from $4.75 in 1991 to $4.50 in 1992.

Soft clams yielded 3.9 million pounds of meats valued at $16.0 million--a decrease of 288,000 pounds (7 percent), but an increase of $1.1 million (8 percent) compared with 1991. Maine was the leading State with 2.3 million pounds of meats (up 53 percent) followed by Massachusetts with 1.1 million pounds (up 37 percent). The average exvessel price per pound of meats was $4.06 in 1992, compared with $3.51 in 1991.

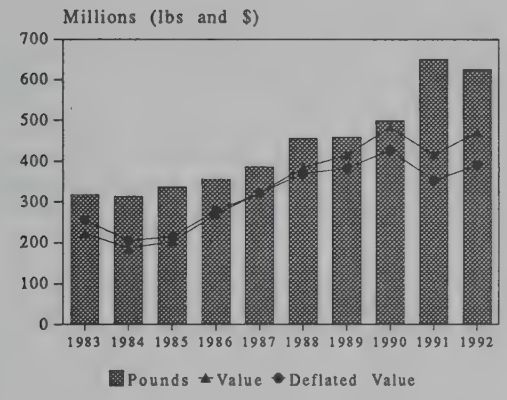
CRABS. Landings of all species of crabs were 624.3 million pounds valued at $471.3 million--a decrease of 25.7 million pounds (4 percent), but an increase of $56.5 million (14 percent) compared with 1991.

Hard blue crab landings were 192.7 million pounds valued at $89.0 million--a decrease of 29.4 million pounds (13 percent), but an increase of $15.7 million (21 percent) compared with 1991. Louisiana landed 26 percent, while North Carolina and Maryland landed 21 percent and 15 percent respectively of the total U.S. landings. Hard blue

REVIEW

IMPORTANT SPECIES

Trend in Commercial Landings, 1983-1992
Crabs



crab landings in the Gulf region were 66.0 million pounds--an increase of 12 percent; South Atlantic, 63.5 million pounds, an increase of 12 percent; and the Chesapeake region, 52.5 million pounds, a decrease of 45 percent. The Middle Atlantic region with 10.8 million pounds valued at $5.2 million showed a decrease of 542,000 pounds (5 percent), but an increase of $272,000 (5 percent) compared with 1991. The average exvessel price per pound of hard blue crabs was 46 cents in 1992, compared to 33 cents in 1991.

Dungeness crab landings were 41.7 million pounds valued at $48.6 million--an increase of 19.4 million pounds (87 percent) and $15.1 million (45 percent) compared with 1991. Washington landings of 15.4 million pounds (up 159 percent) led all states with 37 percent of the total landings. Oregon landings were 11.8 million pounds, up 141 percent compared with 1991. California landings were 8.3 million pounds (up 137 percent) and Alaska landings were 6.2 million pounds (down 23 percent) compared with 1991. The average exvessel price per pound was $1.17 in 1992 compared with $1.50 in 1991.

U.S. landings of king crab were 19.1 million pounds valued at $79.1 million--a decrease of 9.1 million pounds (32 percent) compared with 1991. The average exvessel price per pound in 1992 was $4.15 compared with $2.94 in 1991.

Snow (tanner) crab landings were 350.0 million pounds valued at $223.8 million--a decrease of 7.1 million pounds (2 percent), but an increase of $23.6 million (12 percent) compared with 1991. The average exvessel price per pound was 64 cents in 1992, up from 56 cents in 1991.

LOBSTER, AMERICAN. American lobster landings were 55.8 million pounds valued at $161.0 million--a decrease of 7.5 million pounds (12 percent) and $4.1 million (2 percent) compared with 1991. Maine led in landings for the ninth consecutive year with 26.8 million pounds valued at $71.8 million--a decrease of 4.0 million pounds (13 percent) compared with 1991. Massachusetts, the second leading producer, had landings of 15.2 million pounds valued at $44.6 million--a decrease of 685,000 pounds (4 percent) compared with 1991. Together, Maine and Massachusetts produced 75 percent of the total national landings. The average exvessel price per pound was $2.88 in 1992 compared with $2.61 in 1991.

LOBSTERS, SPINY. U.S. landings of spiny lobster were 4.9 million pounds valued at $20.2 million--a decrease of 2.2 million pounds (31 percent) and $12.0 million (37 percent) compared with 1991. Florida, with landings of 4.0 million pounds valued at $14.6 million, accounted for 81 percent of the total catch and 73 percent of the value. This was a decrease of 2.4 million pounds (38 percent) and $12.9 million (47 percent) compared with 1991. Overall the average exvessel price per pound was $4.14 in 1992 compared with $4.53 in 1991.

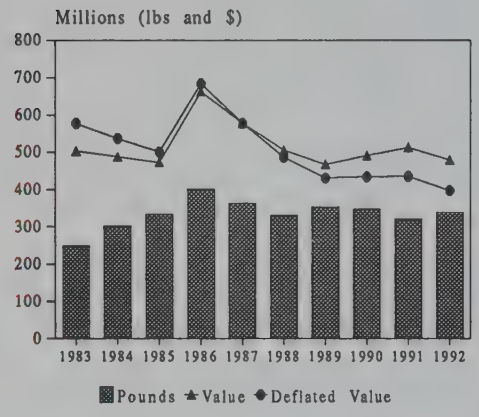
OYSTERS. U.S. oyster landings yielded 36.2 million pounds of meats valued at $114.5 million--an increase of 4.3 million pounds (13 percent) and $16.5 million (17 percent) compared with 1991. The Gulf region led in production with 18.5 million pounds of meats and 51 percent of the national total, followed by the New England region (principally Connecticut with 99 percent of the region's total volume) with 7.0 million pounds (19 percent), and the Pacific region with 6.5 million pounds (18 percent). The average exvessel price per pound of meats was $3.17 in 1992 compared with $3.08 in 1991.

SHRIMP. U.S. landings of shrimp were 337.8 million pounds valued at $480.0 million--an increase of 17.7 million pounds (6 percent), but a decrease of $32.9 million (6 percent) compared with 1991. Shrimp landings decreased in the South Atlantic (down 33 percent) and the Gulf (down 3 percent), but increased in the Pacific (up 77 percent), and New England landings increased by 21,000 pounds when compared with 1991. The average exvessel price per pound of shrimp decreased to $1.42 in 1992 compared with $1.60 in 1991.

Gulf region landings were the Nation's largest with 222.1 million pounds compared with 228.9 million pounds in 1991. Louisiana led all Gulf states with 97.4 million pounds (up 2 percent), followed by Texas, 85.1 million pounds (down 11 percent); Florida (West Coast), 154.9 million

IMPORTANT SPECIES

Trend in Commercial Landings, 1983-1992
Shrimp



pounds (up 42 percent); Alabama, 13.5 million pounds (down 10 percent); and Mississippi, 10.2 million pounds (down 14 percent). In the Pacific region Oregon was the third leading State nationwide with landings of 48.0 million pounds (up 121 percent). California landings of 20.1 million pounds increased 60 percent and Washington landings of 12.5 million pounds increased 22 percent compared with 1991.

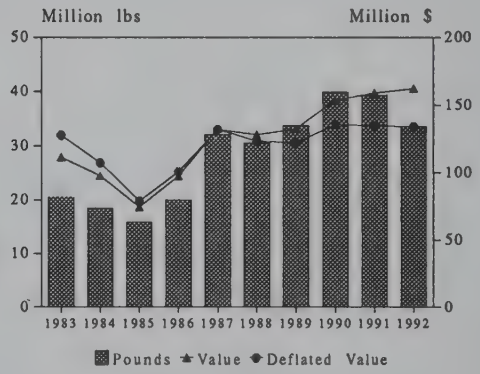
SCALLOPS. U.S. landings of all species of scallops were 33.9 million pounds of meats valued at $164.3 million--a decrease of 5.8 million pounds (15 percent) but an increase of $2.7 million (2 percent) compared with 1991. The average exvessel price per pound of meats increased from $4.07 in 1991 to $4.85 in 1992.

Bay scallop landings were 356,000 pounds of meats valued at $2.1 million--a decrease of 82,000 pounds (19 percent) and $597,000 (22 percent) compared with 1991. Massachusetts was the leading state with 175,000 pounds of meats, 49 percent of the national total. The average exvessel price per pound of meats was $5.81 in 1992 compared with $6.09 in 1991.

Sea scallop landings were 33.5 million pounds of meats valued at $162.6 million--a decrease of 5.8 million pounds (15 percent) but an increase of $3.3 million (2 percent) compared with 1991. Massachusetts was also the leading state in landings of sea scallops with 19.4 million pounds of meats, 58 percent of the national total. The average exvessel price per pound of meats in 1992 was $4.84 compared with $4.04 in 1991.

All calico scallops were landed on the east coast of Florida in 1992. Due to the number of processors, all data are considered confidential.

Trend in Commercial Landings, 1983-1992
Atlantic Sea Scallops



SQUID. U.S. commercial landings of squid were 112.4 million pounds valued at $36.6 million--a decrease of 27.2 million pounds (19 percent), but an increase of $989,000 (3 percent) compared with 1991. Rhode Island was the leading state with 42.7 million pounds, 38 percent of the national total. The New England region landings were 45.8 million pounds (up 9 percent); followed by the Middle Atlantic region, 35.5 million pounds (up 34 percent); and the Pacific region, 30.4 million pounds (down 56 percent) compared with 1991. The average exvessel price per pound for squid was 33 cents in 1992, compared with 26 cents in 1991.

REVIEW

PER CAPITA CONSUMPTION

The NMFS calculation of per capita consumption is based on a "disappearance" model. The total U.S. supply of imports and landings is converted to edible weight and decreases in supply such as exports and inventories are subtracted out. The remaining total is divided by a population value to estimate per capita consumption. Data for the model are derived primarily from secondary sources and are subject to incomplete reporting; changes in source data or invalid model assumptions may each have a significant effect on the resulting calculation.

U.S. per capita consumption of fish and shellfish was 14.8 pounds (edible meat) in 1992. This total was 0.1 pounds less than the 14.9 pounds consumed in 1991. Per capita consumption of fresh and frozen products was 9.9 pounds, an increase of 0.2 pounds from 1991. Fresh and frozen finfish accounted for 6.0 pounds while fresh and frozen shellfish consumption was 3.9 pounds per capita. The fresh and frozen finfish includes approximately 0.9 pounds of farm raised catfish. Consumption of canned fishery products was 4.6 pounds per capita in 1992, a decrease of 0.3 pounds from 1991.

Per Capita Use. The per capita use of all fishery products (edible and industrial) in 1992 was 63.0 pounds (round weight), down 1.8 pounds compared with 1991.

REVIEW

PROCESSED FISHERY PRODUCTS

FRESH AND FROZEN

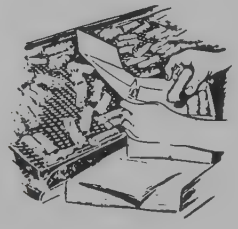
FISH FILLETS AND STEAKS. In 1992 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 403.9 million pounds--68.8 million pounds less than the 472.7 million pounds in 1991. These fillets and steaks were valued at $917.7 million--$102.8 million less than 1991. Alaska pollock fillets and blocks led all species with 124.7 million pounds--31 percent of the total. Production of groundfish fillets and steaks (see Glossary Section-Groundfish) was 207.5 million pounds compared with 264.3 million pounds in 1991.

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 252.6 million pounds valued at $352.2 million compared with the 1991 production of 268.0 million pounds valued at $391.3 million--a decrease of 15.4 million pounds and $39.1 million.

The total production of fish sticks amounted to 58.3 million pounds valued at $56.0 million--a decrease of 5.0 million pounds and $21.9 million compared with 1991. The total production of fish portions amounted to 194.3 million pounds valued at $296.2 million--a decrease of 10.4 million pounds and $17.2 million compared with 1991.

BREADED SHRIMP. The production of breaded shrimp in 1992 was a record high 121.8 million pounds valued at $348.6 million, compared with the 1991 production of 116.3 million pounds valued at $335.8 million.

FROZEN FISHERY TRADE. In 1992, stocks of frozen fishery products in cold storage were at a low of 305.3 million pounds on June 30 and a high of 391.1 million pounds on November 30. Cold storage holdings of shrimp products were at a high of 55.6 million pounds on November 30 and a low of 38.5 million pounds on April 30. Saltwater fillets and steaks holdings reached a high of 79.9 million pounds on January 31 and were at a low of 61.7 million pounds on June 30. Holdings of blocks and slabs were at a high of 59.8 million pounds on January 31 and a low of 41.1 million pounds on June 30. Surimi holdings reached a high of 43.0 million pounds on October 31 and were at a low of 12.4 million pounds on January 31.



REVIEW

PROCESSED FISHERY PRODUCTS

CANNED FISHERY PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 49.4 million standard cases (1.3 billion pounds) valued at $1.6 billion--a decrease of 789 thousand standard cases (42.6 million pounds), and $75.1 million compared with the 1991 pack. The 1992 pack included 40.9 million cases (936.2 million pounds) valued at $1.3 billion for human consumption and 8.5 million standard cases (406.9 million pounds) valued at $246.9 million for bait and animal food.

CANNED SALMON. The 1992 U.S. pack of natural Pacific salmon was 3.2 million standard cases (151.9 million pounds) valued at $288.5 million, compared with 4.1 million standard cases (195.7 million pounds) valued at $412.9 million packed in 1991. Alaskan plants accounted for 94 percent in quantity and 95 percent in value of the salmon pack.

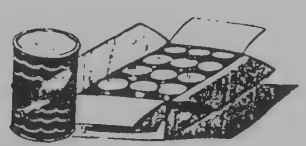
CANNED SARDINES. The pack of Maine sardines (small herring) was 745,200 standard cases (17.4 million pounds) valued at $24.5 million, an increase of 147,500 standard cases (3.5 million pounds) and $5.8 million compared with 1991. There were 202,600 standard cases (4.7 million pounds) of herring valued at $6.9 million packed in 1992 -- 46,100 standard cases (1.1 million pounds) and $1.5 million less than the 1991 pack.

CANNED TUNA. The U.S. pack of tuna was 31.2 million standard cases (609.3 million pounds) valued at $887.7 million--an increase of 840,300 standard cases (16.6 million pounds) in quantity and $11.1 million in value compared with the 1991 pack. The pack of albacore tuna was 7.4 million standard cases--1.2 million standard cases greater than the 6.2 million standard cases produced in 1991. Albacore tuna comprised 24 percent of the tuna pack in 1992. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 23.9 million standard cases--312,000 standard cases less than the 24.2 million standard cases packed in 1991.

CANNED CLAMS. The 1992 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 4.9 million standard cases (126.1 million pounds) valued at $84.4 million--a decrease of 501,500 standard cases (2.9 million pounds), but $445,000 more in value than the pack in 1991. The pack of whole and minced clams was 1.7 million standard cases (759,500 standard cases less than the 1991 pack) and accounted for 35 percent of the total clam pack. Clam chowder and clam juice (2.9 million standard cases) made up the majority of the remaining pack.

CANNED SHRIMP. The U.S. pack of natural shrimp was 92,500 standard cases (625,000 pounds) valued at $3.6 million--a decrease of 1,100 standard cases (7,000 pounds) and 236,000 in value compared with the 1991 pack.

OTHER CANNED ITEMS. The pack of pet food was 8.5 million standard cases valued at $246.6 million--an increase of 48,982 million standard cases compared with the 1991 pack.



REVIEW

PROCESSED FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was $191.8 million--a decrease of $16.4 million compared with the 1991 value of $208.2 million. The leading state was Louisiana ($59.6 million) which accounted for 31 percent of the total U.S. value for 1992.

FISH MEAL. The domestic production of fish and shellfish meal was 538.1 million pounds valued at $119.9 million--a decrease of 74.6 million pounds and $8.2 million compared with 1991. Menhaden meal production was 387.5 million pounds valued at $72.8 million--a decrease of 78.2 million pounds and $13.5 million compared with 1991. Menhaden accounted for 72 percent of the 1992 production of meal. Shellfish meal production was 20.1 million pounds--an increase of 6.3 million pounds from the 1991 level. Tuna and mackerel meal production was 68.5 million pounds--an increase of 2.5 million pounds from 1991. Production of unclassified meal (consisting mainly of Alaska pollock and unclassified fish) was 62.0 million pounds--a decrease of 5.2 million pounds compared with 1991.

FISH SOLUBLES. Domestic production of fish solubles was 93.0 million pounds, 76.6 million pounds less than the 1991 production.

FISH OILS. The domestic production of fish oils was 180.9 million pounds valued at $26.8 million--a decrease of 86.4 million pounds and $3.5 million in value compared with 1991 production. The production of menhaden oil was 177.7 million pounds valued at $26.4 million--a decrease of 85.8 million pounds and $3.4 million compared with 1991. Menhaden oil accounted for 98 percent of the volume and value of the total 1992 fish oil production.

OTHER INDUSTRIAL PRODUCTS. Oyster shell products, together with agar-agar, animal feeds, crab and clam shells processed for food serving, fish pellets, Irish moss extracts, kelp products, dry and liquid fertilizers, pearl essence, and mussel shell buttons were valued at $36.7 million, compared with $37.7 million in 1991--a decrease of $992,000.

REVIEW

FOREIGN TRADE IN FISHERY PRODUCTS

IMPORTS. U.S. imports of edible fishery products in 1992 were valued at $5.7 billion, $34.0 million more than in 1991. The quantity of edible imports was 2.9 billion pounds, 120.8 million pounds less than the quantity imported in 1991.

Edible imports consisted of 2.3 billion pounds of fresh and frozen products valued at $4.9 billion, 469.3 million pounds of canned products valued at $579.9 million, 66.9 million pounds of cured products valued at $134.4 million, 3.0 million pounds of caviar and roe products valued at $18.3 million, and 9.9 million pounds of other products valued at $27.3 million.

The quantity of shrimp imported in 1992 was 595.4 million pounds, 55.8 million pounds more than the quantity imported in 1991. Valued at $2.0 billion, $160.8 million more than the 1991 value, shrimp imports accounted for 35 percent of the value of total edible imports. Imports of fresh and frozen tuna were 436.6 million pounds, 59.0 million pounds less than the 495.5 million pounds imported in 1991. Imports of canned tuna were 323.4 million pounds, 28.3 million pounds less than the 351.7 million pounds imported in 1991. Imports of fresh and frozen fillets and steaks amounted to 408.1 million pounds, a decrease of 32.0 million pounds from 1991. Regular and minced block imports were 229.3 million pounds, a decrease of 61.2 million pounds from 1991.

Imports of nonedible fishery products were valued at $4.2 billion--an increase of $402.2 million compared with 1991. The total value of edible and nonedible products was $9.9 billion in 1992, $436.2 million more than in 1991 when $9.4 billion of fishery products were imported.

EXPORTS. U.S. exports of edible fishery products of domestic origin were a record 2.1 billion pounds valued at a record $3.5 billion, compared with exports of 2.1 billion pounds valued at $3.2 billion in 1991.

Fresh and frozen items were 1.8 billion pounds valued at $2.7 billion, an increase of 32.2 million pounds and $262.4 million compared with 1991. In terms of individual species, fresh and frozen exports consisted principally of 301.2 million pounds of salmon valued at $684.1 million and 179.4 million pounds of crabs valued at $443.3 million. Canned items were 178.4 million pounds valued at $306.9 million. Salmon was the major canned item exported, with 77.9 million pounds valued at $154.5 million. Cured items were 16.3 million pounds valued at $39.6 million. Caviar and roe exports were 84.2 million pounds valued at $411.0 million, a decrease of 14.9 million pounds but an increase of $33.1 million compared with 1991.

Exports of nonedible products were valued at a record $3.7 billion compared with $3.4 billion in 1991. Exports of fishmeal amounted to 258.5 million pounds valued at $67.2 million. The total value of edible and nonedible exports was $7.1 billion--an increase of $577.9 million compared with 1991.

U.S. COMMERCIAL LANDINGS BY REGION

U.S. DOMESTIC LANDINGS, BY SPECIES, 1991 AND 1992 (1)

Species	1991		1992		Aver. (1987-91)
Fish	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds
Alewives:					
Atlantic and Gulf.	3,628	300	4,000	603	4,535
Great Lakes.....	10,528	83	1,131	(2)	11,960
Anchovies.....	19,245	6,813	13,679	5,228	14,221
Bluefish.....	13,232	2,731	11,595	2,694	13,908
Bonito.....	1,464	397	3,449	876	6,608
Butterfish.....	6,181	3,171	7,608	3,701	7,109
Cod:					
Atlantic.....	92,636	74,093	61,283	52,013	80,423
Pacific.....	553,716	122,150	550,528	132,480	378,013
Croaker.....	4,761	2,146	5,077	1,893	8,283
Cusk.....	3,300	1,676	3,486	1,731	2,697
Flounders:					
Atlantic and Gulf:					
Blackback.....	16,424	18,600	13,934	15,795	16,663
Fluke.....	18,190	24,500	19,695	26,815	23,657
Yellowtail.....	17,132	17,764	12,415	13,915	17,778
Other.....	23,275	21,535	26,017	26,062	22,092
Pacific.....	329,934	62,390	573,768	60,924	177,870
Total.....	*404,955*	*144,789*	*645,829*	*143,511*	*258,059*
Groupers.....	10,738	19,824	10,992	21,574	*11,966*
Haddock.....	4,053	4,581	5,111	5,582	5,281
Hake:					
Pacific (whiting).	55,964	3,692	123,748	5,866	29,657
Red.....	3,696	823	4,756	1,032	3,854
White.....	12,740	5,571	19,979	8,409	12,187
Halibut.....	66,339	99,532	68,579	53,773	73,935
Herring, sea:					
Atlantic.....	107,067	6,339	122,993	6,821	96,950
Pacific.....	123,141	30,832	159,054	35,907	120,927
Jack mackerel.....	3,618	235	2,624	245	18,043
Lingcod.....	8,275	2,873	5,292	1,905	7,427
Mackerel:					
Atlantic.....	36,700	5,476	26,072	3,724	20,452
King.....	4,281	5,119	4,485	5,724	4,238
Pacific.....	63,336	4,872	41,879	4,118	85,964
Spanish.....	7,476	3,706	3,707	1,119	6,218
Menhaden:					
Atlantic.....	762,935	36,386	690,070	33,540	734,535
Gulf.....	1,214,125	41,308	954,272	49,433	1,410,725
Total.....	*1,977,060*	*77,694*	*1,644,342*	*82,973*	*2,145,260*
Mullets.....	28,717	10,569	22,479	9,730	30,326
Ocean perch:					
Atlantic.....	1,176	543	1,867	790	2,088
Pacific.....	29,994	6,445	45,484	13,561	29,040
Pollock:					
Atlantic.....	17,344	9,901	15,843	10,543	28,066
Alaska.....	2,855,316	241,551	2,952,130	324,735	2,026,327
Rockfishes.....	97,466	33,692	125,069	47,280	120,908
Sablefish.....	83,610	78,166	75,451	79,634	96,242
Salmon, Pacific:					
Chinook or king...	20,143	36,983	17,775	36,197	32,594
Chum or keta.....	76,182	24,884	90,410	45,428	89,571
Pink.....	362,816	47,055	203,740	31,940	269,780
Red or sockeye....	268,793	210,995	346,573	421,304	255,521
Silver or coho....	55,351	39,803	57,330	47,981	46,627
Total.....	*783,285*	*359,720*	*715,828*	*582,850*	*694,093*
Scup or porgy.....	16,145	9,127	14,014	8,669	13,166
Sea bass:					
Black.....	3,910	4,608	4,255	4,405	4,488
White.....	163	340	118	249	121
Sea trout:					
Gray.....	8,668	4,854	7,467	4,479	14,239
Spotted.....	2,886	3,493	2,368	2,724	2,906
White.....	219	122	280	154	342
Sharks:					
Dogfish.....	34,376	3,444	42,327	4,675	21,442
Other.....	12,631	7,154	16,824	7,841	13,416

See notes at end of table.

(Continued)

U.S. COMMERCIAL LANDINGS

U.S. DOMESTIC LANDINGS, BY SPECIES, 1991 AND 1992 (1) - Continued

Species	1991		1992		Aver. (1987-91)
Fish - Continued:	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds
Snapper:					
Red	2,358	5,681	3,471	7,354	3,462
Other	7,324	14,134	6,717	12,949	6,634
Striped bass	726	1,138	1,276	1,921	581
Swordfish	17,963	50,155	19,713	60,320	18,632
Tilefish	4,090	6,193	5,352	7,833	4,507
Tuna:					
Albacore	4,569	3,780	12,062	12,646	7,504
Bigeye	5,231	19,791	5,134	19,672	4,411
Bluefin	1,865	16,998	4,503	16,913	4,041
Skipjack	6,867	4,293	9,295	3,859	13,724
Yellowfin	16,019	29,542	23,644	35,955	49,105
Unclassified	1,144	649	2,165	1,777	996
Total	*35,695*	*75,053*	*56,803*	*90,822*	*79,782*
Whiting	36,533	11,219	35,893	10,990	38,126
Other marine finfishes	286,051	92,190	414,021	109,399	-
Other freshwater finfishes	28,498	20,901	37,855	25,196	-
Total, fish	*7,993,274*	*1,679,911*	*8,174,183*	*2,012,605*	-
Shellfish et al.					
Clams:					
Hard	12,311	58,453	12,346	55,588	11,042
Ocean quahog	49,133	19,048	50,445	19,540	48,690
Soft	4,225	14,849	3,937	15,968	6,219
Surf	66,219	29,182	74,584	32,423	65,870
Other	2,355	3,734	1,137	3,810	3,720
Total	*134,243*	*125,266*	*142,449*	*127,329*	*135,541*
Crabs:					
Blue, hard	222,060	73,298	192,708	89,006	209,421
Dungeness	22,314	33,528	41,686	48,620	34,322
King	28,140	82,810	19,056	79,097	27,697
Snow (tanner)	357,122	200,188	350,039	223,808	199,060
Other	20,357	25,011	20,833	30,792	19,457
Total	*649,993*	*414,835*	*624,322*	*471,323*	*489,957*
Lobsters:					
American	63,337	165,026	55,841	160,951	54,296
Spiny	7,096	32,134	4,872	20,151	7,052
Oysters	31,859	97,996	36,156	114,536	32,535
Scallops					
Bay	438	2,666	356	2,069	480
Calico	(3)	(3)	(3)	(3)	5,605
Sea	39,302	158,932	33,528	162,229	35,114
Shrimp:					
New England	7,423	6,760	7,444	7,482	8,582
South Atlantic	36,627	67,705	24,705	51,382	29,186
Gulf	228,883	410,664	222,066	388,847	237,930
Pacific	47,154	27,719	83,550	32,243	66,724
Other	-	-	-	-	-
Total	*320,087*	*512,848*	*337,765*	*479,954*	*342,422*
Squid:					
Atlantic	70,929	30,346	81,944	33,925	56,638
Pacific	68,640	5,288	30,436	2,698	57,765
Other shellfish	104,996	83,024	115,451	90,165	-
Total, shellfish et al.	*1,490,920*	*1,628,361*	*1,463,120*	*1,665,330*	-
Grand total	*9,484,194*	*3,308,272*	*9,637,303*	*3,677,935*	-

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River Drainage area States are not available.
(2) Less than $500. (3) Data are confidential and included with unclassified shellfish.
Note:--Data are preliminary. Data do not include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States, or catches by U.S.-flag vessels transferred to internal water processing vessels (IWPs) in the U.S. waters. Therefore, they will not agree with "U.S. Commercial Landings" table on page 6. Data do not include aquaculture products, except oysters and clams.

DISPOSITION OF U.S. DOMESTIC LANDINGS, 1991 AND 1992

End Use	1991		1992	
	Million pounds	Percent	Million pounds	Percent
Fresh and frozen:				
For human food.....	6,300	66.4	7,007	72.7
For bait and animal food.....	241	2.5	281	2.9
Total.....	***6,541***	***69.0***	***7,288***	***75.6***
Canned:				
For human food.....	612	6.5	501	5.2
For bait and animal food.....	62	0.7	42	0.4
Total.....	***674***	***7.1***	***543***	***5.6***
Cured for human food....	119	1.3	110	1.1
Reduction to meal, oil, etc.....	2,150	22.7	1,696	17.6
Grand total.....	***9,484***	***100.0***	***9,637***	***100.0***

NOTE:--Data are preliminary. Table may not add due to rounding.

DISPOSITION OF U.S. DOMESTIC LANDINGS, BY MONTH, 1992

Month	Landings for Human food		Landings for Industrial purposes (1)		Total	
	Million pounds	Percent	Million pounds	Percent	Million pounds	Percent
January.....	403	5.3	39	1.9	442	4.6
February.....	1,056	475.7	53	2.6	1,109	11.5
March.....	840	241.4	37	1.8	877	9.1
April.....	515	6.8	76	3.8	591	6.1
May.....	480	6.3	216	10.7	696	7.2
June.....	809	10.6	354	17.5	1,163	12.1
July.....	1,152	15.1	336	16.6	1,488	15.4
August.....	896	11.8	322	15.9	1,218	12.6
September.....	556	7.3	259	12.8	815	8.5
October.....	341	4.5	199	9.9	540	5.6
November.....	222	2.9	64	3.2	286	3.0
December.....	348	4.6	64	3.2	412	4.3
Total.....	***7,618***	***100.0***	***2,019***	***100.0***	***9,637***	***100.0***

(1) Processed into meal, oil, solubles, and shell products, and used as bait and animal food.

U.S. COMMERCIAL LANDINGS OF FISH AND SHELLFISH, 1983-1992 (1)

Year	Landings for Human Food		Landings for Industrial Purposes (2)		Total	
	Million pounds	Million dollars	Millions pounds	Million dollars	Millions pounds	Million dollars
1983.....	3,238	2,203	*3,201	152	6,439	2,355
1984.....	3,320	2,206	3,118	144	6,438	2,350
1985.....	3,294	2,198	2,964	128	6,258	2,326
1986.....	3,393	2,641	2,638	122	6,031	2,763
1987.....	3,946	2,979	2,950	136	6,896	3,115
1988.....	4,588	3,362	2,604	158	7,192	3,520
1989.....	6,204	3,111	2,259	127	8,463	3,238
1990.....	7,041	3,366	2,363	156	9,404	3,522
1991.....	7,031	3,169	2,453	139	9,484	3,308
1992.....	*7,618	3,531	2,019	147	*9,637	3,678

(1) Statistics on landings are shown in round weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are shown in weight of meats (excluding the shell). All data are preliminary. (2) Processed into meal, oil, solubles, and shell products, or used as bait or animal food. * Record.

NOTE:--Data do not include landings outside the 50 States or products of aquaculture, except oysters and clams.

U.S. COMMERCIAL LANDINGS

U.S. DOMESTIC LANDINGS, BY STATES, 1991 AND 1992 (1)

States	1991		1992		Record Landings	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Year	Thousand pounds
Alabama	21,907	36,697	23,689	35,566	1973	36,744
Alaska	5,144,800	1,216,482	5,637,937	1,577,421	1992	5,637,937
California	348,238	139,560	302,380	136,306	1936	1,760,193
Connecticut	14,905	44,815	19,634	62,672	1930	88,012
Delaware	7,881	4,522	6,554	4,207	1953	367,500
Florida	162,731	162,056	152,169	154,889	1938	241,443
Georgia	15,987	23,719	17,620	22,957	1927	47,607
Hawaii	27,662	57,702	27,893	70,209	1992	27,893
Illinois	229	377	187	367	-	(2)
Indiana	658	1,024	1,358	2,550	-	(2)
Louisiana	1,192,539	243,600	1,013,575	294,986	1984	1,931,027
Maine	191,880	155,257	201,217	163,341	1950	356,266
Maryland	88,462	47,131	57,067	36,424	1890	141,607
Massachusetts	288,924	295,838	274,269	280,589	1948	649,696
Michigan	14,434	10,515	15,057	10,337	1930	35,580
Minnesota	309	111	269	101	-	(2)
Mississippi	238,388	34,297	187,634	31,348	1985	439,519
New Hampshire	10,675	13,267	10,328	11,503	-	(2)
New Jersey	175,841	96,865	204,368	97,500	1956	540,060
New York	50,823	53,161	50,112	53,985	1880	335,000
North Carolina	212,609	66,747	154,035	57,458	1981	432,006
Ohio	5,360	3,591	4,985	2,555	1936	31,083
Oregon	150,023	62,946	256,912	76,240	1992	256,912
Pennsylvania	315	323	485	395	-	(2)
Rhode Island	139,805	85,111	141,655	85,681	1991	139,805
South Carolina	19,138	28,534	19,272	25,621	1965	26,611
Texas	108,315	214,410	96,125	181,353	1960	237,684
Virginia	681,163	94,984	630,521	90,500	1990	789,791
Washington	152,290	109,548	121,512	104,960	1941	197,253
Wisconsin	17,903	5,082	8,484	5,914	-	(2)
Total	*9,484,194*	*3,308,272*	*9,637,303*	*3,677,935*	-	-

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River Drainage Area States are not available.
(2) Data Not available.
NOTE:--Data are preliminary. Data do not include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States, or catches by U.S.-flag vessels transferred to internal water processing vessels (IWPs) in U.S. waters. Therefore, they will not agree with "U.S. Commercial Landings" tables on page 6. Data do not include aquaculture products, except oysters and clams.

U.S. DOMESTIC LANDINGS, BY REGIONS, 1991 AND 1992 (1)

Region	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
New England	646,189	594,288	647,103	603,786
Middle Atlantic	234,386	154,412	260,817	155,478
Chesapeake	769,625	142,115	687,588	126,924
South Atlantic	293,112	168,874	237,720	152,037
Gulf	1,678,502	641,186	1,426,399	652,141
Pacific Coast and Alaska	5,795,351	1,528,536	6,318,741	1,894,927
Great Lakes	39,367	21,159	31,042	22,433
Hawaii	27,662	57,702	27,893	70,209
Total	*9,484,194*	*3,308,272*	*9,637,303*	*3,677,935*

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River Drainage Area States are not available.

NOTE:--Data are preliminary. Data do not include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States, or catches by U.S.-flag vessels transferred to internal water processing vessels (IWPs) in U.S. waters. Therefore, they will not agree with "U.S. Commercial Landings" tables on page 6. Data do not include aquaculture products, except oysters and clams.

COMMERCIAL FISHERY LANDINGS AND VALUE AT MAJOR U.S. PORTS, 1990-92

Port	Quantity			Port	Value		
	1990	1991	1992		1990	1991	1992
	--Million pounds--				--Million dollars--		
Dutch Harbor-Unalaska, AK..	509.9	731.7	736.0	Dutch Harbor-Unalaska, AK..	126.2	130.6	*194.0
Kodiak, AK.....	272.5	287.3	274.0	New Bedford, MA.....	160.4	157.7	151.8
Empire-Venice, LA.....	244.2	309.4	269.1	Kodiak, AK.....	101.7	96.9	90.0
Cameron, LA.....	232.6	289.1	246.0	Kenai, AK.....	47.9	13.2	83.0
Pascagoula-Moss Point, MS..	303.9	227.3	177.0	Brownsville-Port Isabel, TX	57.2	71.5	54.9
Intercoastal City, LA.....	173.0	211.4	175.9	Dulac-Chauvin, LA.....	52.7	52.1	52.1
Morgan City-Berwick, LA....	146.5	119.5	130.8	Empire-Venice, LA.....	46.3	50.2	50.1
New Bedford, MA.....	114.8	106.4	103.3	Portland, ME.....	31.7	44.1	43.6
Gloucester, MA.....	126.2	107.2	101.7	Point Judith, RI.....	32.2	37.5	36.6
Los Angeles, CA.....	158.5	141.5	94.9	Cape May-Wildwood, NJ.....	34.4	40.1	34.9
Cape May-Wildwood, NJ.....	69.2	93.1	93.9	Gloucester, MA.....	40.5	40.0	34.1
Petersburg, AK.....	67.5	90.3	81.0	Hampton Roads Area, VA.....	43.4	32.4	33.3
Beaufort-Morehead City, NC.	102.0	137.0	78.7	Petersburg, AK.....	39.4	34.6	33.0
Ketchikan, AK.....	52.6	68.5	70.0	Aransas Pass-Rockport, TX..	34.9	41.6	32.3
Kenai, AK.....	41.9	21.5	70.0	Golden Meadow-Leeville, LA.	26.5	28.7	28.6
Astoria, OR.....	41.2	53.0	67.0	Ketchikan, AK.....	28.3	21.9	27.0
Point Judith, RI.....	58.7	64.7	66.7	Cameron, LA.....	20.6	26.3	26.5
Dulac-Chauvin, LA.....	164.4	166.8	65.0	Bayou La Batre, AL.....	20.7	24.6	24.0
Portland, ME.....	48.9	63.4	59.2	Galveston, TX.....	13.0	21.2	22.3
Atlantic City, NJ.....	39.2	39.2	43.6	Newport, OR.....	14.7	14.0	22.0
Bellingham, WA.....	39.3	50.0	42.0	Port Arthur, TX.....	21.1	20.6	21.0
Rockland, ME.....	36.2	31.8	39.9	Atlantic City, NJ.....	17.8	17.8	20.4
Crescent City, CA.....	31.1	30.2	39.2	Sitka, AK.....	22.1	26.2	19.0
Coos Bay-Charleston, OR....	31.8	30.0	38.0	Astoria, OR.....	16.2	17.0	19.0
Sitka, AK.....	24.4	27.4	32.0	Westport, WA.....	17.9	12.0	18.0
Cordova, AK.....	70.8	47.5	30.0	Key West, FL.....	21.7	35.1	17.4
Point Pleasant, NJ.....	18.4	20.8	30.0	Cordova, AK.....	36.8	19.5	17.0
Wanchese-Stumpy Point, NC..	23.0	23.0	29.9	Biloxi, MS.....	14.1	8.9	16.6
Westport, WA.....	26.2	20.0	26.0	Beaufort-Morehead City, NC.	23.0	23.0	16.2
Anacortes-La Conner, WA....	15.5	18.0	25.0	Homer, AK.....	(1)	19.5	16.0
Newport, OR.....	34.0	52.0	24.0	Valdez, AK.....	20.5	14.9	16.0
Seward, AK.....	51.2	44.6	24.0	Crescent City, CA.....	16.8	11.5	15.9
Brownsville-Port Isabel, TX	25.5	29.6	22.9	Santa Barbara, CA.....	11.2	17.1	15.6
Valdez, AK.....	46.1	40.4	22.0	Delcambre, LA.....	14.7	15.1	15.2
Golden Meadow-Leeville, LA.	20.9	23.6	21.9	Bellingham, WA.....	23.0	21.0	15.0
Eureka, CA.....	24.4	20.0	21.2	Coos Bay-Charleston, OR....	14.5	13.0	15.0
Hampton Roads Area, VA.....	26.9	26.2	21.1	Montauk, NY.....	15.4	15.0	14.9
San Francisco Area, CA.....	26.8	26.0	19.6	Los Angeles, CA.....	21.3	17.4	14.6
Naknek-South Naknek, AK....	90.4	44.8	19.0	Point Pleasant, NJ.....	9.6	12.0	14.4
Port Hueneme-Oxnard-Ventura, CA.....	39.4	50.2	18.7	Morgan City-Berwick, LA.....	19.7	9.4	14.3
Homer, AK.....	(1)	28.2	18.0	Anacortes-La Conner, WA....	10.4	9.0	14.0
Ocean City, MD.....	21.1	25.4	17.9	Grand Isle, LA.....	14.3	12.3	13.9
Monterey, CA.....	22.8	19.3	17.6	San Francisco Area, CA.....	15.1	16.1	13.3
Aransas Pass-Rockport, TX.....	18.0	21.2	17.0	Wanchese-Stumpy Point, NC..	15.0	11.0	13.0
Ilwaco-Chinook, WA.....	13.2	12.0	17.0	Boston, MA.....	14.1	13.0	12.6
Provincetown-Chatham, MA...	30.3	24.4	16.7	Pascagoula-Moss Point, MS..	18.8	15.1	12.4
Bayou La Batre, AL.....	13.7	14.9	16.2	Lafitte-Barataria, LA.....	11.1	11.8	12.0
Boston, MA.....	19.6	15.2	14.2	Delacroix-Yscloskey, LA....	7.6	8.0	12.0
Montauk, NY.....	14.2	14.2	14.1	Freeport, TX.....	14.8	12.6	11.4
Delacroix-Yscloskey, LA....	8.3	11.0	13.2	Port Hueneme-Oxnard-Ventura, CA.....	12.5	14.0	10.7
Grand Isle, LA.....	14.2	11.7	12.9	Provincetown-Chatham, MA...	14.7	14.3	10.6
Galveston, TX.....	8.0	11.8	12.7	Bon Secour-Gulf Shores, AL.	11.1	11.4	10.6
Englehard-Swanquarter, NC..	(1)	15.0	12.0	Intercoastal City, LA.....	7.6	12.0	10.4
Bodega Bay, CA.....	12.6	13.6	11.4	Cape Canaveral, FL.....	13.2	9.9	10.4
Moss Landing, CA.....	10.3	8.2	11.3	Eureka, CA.....	12.8	8.0	10.1
Fort Bragg, CA.....	17.5	14.9	11.2	Darien-Bellville, GA.....	9.0	9.0	9.2
Cape Canaveral, FL.....	8.8	7.8	10.8	Seward, AK.....	29.1	24.5	8.0
Santa Barbara, CA.....	11.6	12.9	10.4	Ocean City, MD.....	8.8	10.7	8.0
Delcambre, LA.....	10.2	10.6	10.3	Ilwaco-Chinook, WA.....	7.2	5.0	7.0
Key West, FL.....	11.4	14.1	9.4	Brookings, OR.....	4.6	4.0	7.0

(1) Not available. *Record. Record quantity was 848.2 million lb landed in Los Angeles, CA in 1960.

NOTE:--To avoid disclosure of private enterprise certain leading ports have not been included.

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 1992 (1)

Species	Distance caught off U.S. Shores				International Waters (Includes catch off foreign coasts)		Total	
	0 to 3 Miles (2)		3 to 200 Miles					
Fish	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Alewives:								
Atlantic and Gulf.	3,181	560	819	43	-	-	4,000	603
Great Lakes. . . .	1,131	(3)	-	-	-	-	1,131	(3)
Anchovies.	12,320	4,708	1,359	520	-	-	13,679	5,228
Bluefish	6,644	1,605	4,951	1,089	-	-	11,595	2,694
Bonito	961	326	2,488	550	-	-	3,449	876
Butterfish	533	284	7,075	3,417	-	-	7,608	3,701
Cod:								
Atlantic	656	608	60,627	51,405	-	-	61,283	52,013
Pacific.	33,347	8,046	517,181	124,434	-	-	550,528	132,480
Croaker.	4,320	1,635	757	258	-	-	5,077	1,893
Cusk	41	21	3,445	1,710	-	-	3,486	1,731
Flounders:								
Atlantic and Gulf:								
Blackback. . . .	1,285	1,210	12,649	14,585	-	-	13,934	15,795
Fluke.	4,928	6,792	14,767	20,023	-	-	19,695	26,815
Yellowtail . . .	110	119	12,305	13,796	-	-	12,415	13,915
Other.	1,352	1,651	24,665	24,411	-	-	26,017	26,062
Pacific.	38,693	5,078	535,075	55,846	-	-	573,768	60,924
Total	*46,368*	*14,850*	*599,461*	*128,661*	-	-	*645,829*	*143,511*
Groupers	197	399	11,142	21,799	-	-	11,339	22,198
Haddock.	10	12	5,101	5,570	-	-	5,111	5,582
Hake:								
Pacific (whiting).	8,104	381	115,644	5,485	-	-	123,748	5,866
Red.	286	57	4,470	975	-	-	4,756	1,032
White.	406	161	19,573	8,248	-	-	19,979	8,409
Halibut.	4,064	3,150	65,489	51,377	-	-	69,553	54,527
Herring, sea:								
Atlantic	44,396	2,625	87,706	4,581	6	(3)	132,108	7,206
Pacific.	159,054	35,907	-	-	-	-	159,054	35,907
Jack mackerel. . . .	2,360	221	264	24	-	-	2,624	245
Lingcod.	915	316	4,377	1,589	-	-	5,292	1,905
Mackerel:								
Atlantic	842	171	26,999	3,665	-	-	27,841	3,836
King	413	440	4,072	5,284	-	-	4,485	5,724
Pacific.	37,836	3,705	4,043	413	-	-	41,879	4,118
Spanish.	1,485	559	2,222	560	-	-	3,707	1,119

See footnotes at end of table.

(Continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 1992 (1) -- Continued

Species	Distance caught off U.S. Shores				International Waters (Includes catch off foreign coasts)		Total	
	0 to 3 Miles (2)		3 to 200 Miles					
Fish - Continued:	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Menhaden								
Atlantic	689,891	33,524	60,863	1,230	-	-	750,754	34,754
Gulf	680,086	35,539	274,186	13,894	-	-	954,272	49,433
Total	*1,369,977*	*69,063*	*335,049*	*15,124*	-	-	*1,705,026*	*84,187*
Mullet	22,455	9,725	24	5	-	-	22,479	9,730
Ocean perch:								
Atlantic	6	2	1,861	788	-	-	1,867	790
Pacific	2,493	747	42,991	12,814	-	-	45,484	13,561
Pollock:								
Atlantic	110	73	15,733	10,470	-	-	15,843	10,543
Alaska	177,127	19,484	2,775,003	305,251	-	-	2,952,130	324,735
Rockfishes	5,576	2,301	119,493	44,979	-	-	125,069	47,280
Sablefish	3,882	4,470	71,569	75,164	-	-	75,451	79,634
Salmon:								
Chinook or king	15,290	30,513	2,485	5,684	-	-	17,775	36,197
Chum or keta	90,410	45,428	-	-	-	-	90,410	45,428
Pink	203,595	31,889	145	51	-	-	203,740	31,940
Red or sockeye	346,554	421,276	19	28	-	-	346,573	421,304
Silver or coho	53,722	43,494	3,608	4,487	-	-	57,330	47,981
Total	*709,571*	*572,600*	*6,257*	*10,250*	-	-	*715,828*	*582,850*
Scup or porgy	3,971	2,186	10,043	6,483	-	-	14,014	8,669
Sea bass:								
Black	270	389	3,985	4,016	-	-	4,255	4,405
White	94	199	24	50	-	-	118	249
Sea trout:								
Gray	3,373	2,424	4,094	2,055	-	-	7,467	4,479
Spotted	2,367	2,723	1	1	-	-	2,368	2,724
White	197	112	83	42	-	-	280	154
Sharks:								
Dogfish	9,503	1,086	32,824	3,589	-	-	42,327	4,675
Other	2,443	1,591	14,172	6,044	209	206	16,824	7,841
Snapper:								
Red	52	249	3,379	6,911	40	194	3,471	7,354
Other	758	1,603	6,130	11,547	112	296	7,000	13,446
Striped bass	1,268	1,910	8	11	-	-	1,276	1,921
Swordfish	-	-	9,592	30,913	10,122	29,410	19,714	60,323
Tilefish	-	-	5,352	7,833	-	-	5,352	7,833

See footnotes at end of table.

(Continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 1992 (1) -- Continued

Species	Distance caught off U.S. Shores				International Waters (Includes catch off foreign coasts)		Total	
	0 to 3 Miles (2)		3 to 200 Miles					
Fish - Continued:	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Tuna:								
Albacore	19	17	5,942	6,115	12,535	12,711	18,496	18,843
Bigeye	3	11	3,321	13,147	1,810	6,514	5,134	19,672
Bluefin	-	-	3,562	16,431	941	482	4,503	16,913
Skipjack	46	68	4,372	2,939	376,132	128,390	380,550	131,397
Yellowfin	36	83	16,566	30,593	149,932	60,606	166,534	91,282
Unclassified	333	37	1,806	1,717	26	23	2,165	1,777
Total	*437*	*216*	*35,569*	*70,942*	*541,376*	*208,726*	*577,382*	*279,884*
Whiting	722	245	35,171	10,745	-	-	35,893	10,990
Other marine finfishes	128,787	36,870	283,849	70,202	1,485	2,330	414,121	109,402
Other freshwater finfishes	37,855	25,196	-	-	-	-	37,855	25,196
Total fish	*2,853,164*	*836,211*	*5,361,521*	*1,127,886*	*553,350*	*241,162*	*8,768,035*	*2,205,259*
Shellfish, et al								
Clams:								
Hard	12,178	55,084	168	504	-	-	12,346	55,588
Ocean quahog	138	215	50,307	19,325	-	-	50,445	19,540
Soft	3,937	15,968	-	-	-	-	3,937	15,968
Surf	25,843	9,271	48,741	23,152	-	-	74,584	32,423
Other	1,087	3,771	50	39	-	-	1,137	3,810
Total	*43,183*	*84,309*	*99,266*	*43,020*	-	-	*142,449*	*127,329*
Crabs:								
Blue, hard	192,699	89,002	9	4	-	-	192,708	89,006
Dungeness	33,124	38,301	8,562	10,319	-	-	41,686	48,620
King	3,632	15,444	15,424	63,653	-	-	19,056	79,097
Snow (tanner)	2,012	3,280	348,027	220,528	-	-	350,039	223,808
Other	10,642	17,880	10,191	12,912	-	-	20,833	30,792
Total	*242,109*	*163,907*	*382,213*	*307,416*	-	-	*624,322*	*471,323*
Lobsters:								
American	46,232	128,230	9,609	32,721	-	-	55,841	160,951
Spiny	1,854	8,440	2,701	10,057	317	1,654	4,872	20,151
Oysters	36,156	114,536	-	-	-	-	36,156	114,536

See footnotes at end of table.

(Continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 1992 (1) -- Continued

Species	Distance caught off U.S. Shores				International Waters (Includes catch off foreign coasts)		Total	
	0 to 3 Miles (2)		3 to 200 Miles					
Shellfish - Continued:	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Scallops:								
Bay.	356	2,069	-	-	-	-	356	2,069
Calico	-	-	(4)	(4)	-	-	(4)	(4)
Sea.	2,561	11,712	30,967	150,517	-	-	33,528	162,229
Shrimp:								
New England. . . .	876	997	6,568	6,485	-	-	7,444	7,482
South Atlantic . .	20,905	46,851	3,800	4,531	-	-	24,705	51,382
Gulf	111,794	152,118	110,272	236,729	-	-	222,066	388,847
Pacific Coast. . .	6,085	3,445	77,465	28,798	-	-	83,550	32,243
Other.	-	-	3,865	12,870	-	-	3,865	12,870
Total	*139,660*	*203,411*	*201,970*	*289,413*	-	-	*341,630*	*492,824*
Squid:								
Atlantic	1,717	1,013	80,227	32,912	-	-	81,944	33,925
Pacific.	29,190	2,664	1,246	34	-	-	30,436	2,698
Other shellfish. . .	109,160	87,026	6,143	2,500	148	639	115,451	90,165
Total shellfish et al.. . .	*652,178*	*807,317*	*814,342*	*868,590*	*465*	*2,293*	*1,466,985*	*1,678,200*
Grand total, 1992	*3,505,342*	*1,643,528*	*6,175,863*	*1,996,476*	*553,815*	*243,455*	*10,235,020*	*3,883,459*
Grand total, 1991 (5)	*3,857,017*	*1,374,496*	*5,780,930*	*1,924,372*	*503,330*	*223,496*	*10,141,277*	*3,522,364*

(1) Landings are reported in round (live) weight for all items, except univalve mollusks, such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). The National Marine Fisheries Service estimated the distance from shore for Texas landings data collected by Texas Parks and Wildlife Department.

(2) Includes landings from the Great Lakes and other inland waters, but excludes Mississippi River Drainage Area States.

(3) Less than $500.

(4) Data are confidential and included with unclassified shellfish.

(5) For individual species breakout see "Fisheries of the United States, 1991" pages 6-9.

NOTE:--Data are preliminary. Data include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States, and catches by U.S.-flag vessels transferred to internal water processing vessels (IWPs) in U.S. waters. Therefore, they will not agree with "U.S. Commercial Landings" tables beginning on page 1. Data do not include aquaculture products, except oysters and clams.

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 1992 (1)

Species	Distance caught off U.S. Shores				International Waters (Includes catch off foreign coasts)		Total	
	0 to 3 Miles (2)		3 to 200 Miles					
Fish	Metric tons	Thousand dollars	Metric tons	Thousand dollars	Metric tons	Thousand dollars	Metric tons	Thousand dollars
Alewives:								
Atlantic and Gulf.	1,443	560	371	43	-	-	1,814	603
Great Lakes. . . .	513	(3)	-	-	-	-	513	(3)
Anchovies.	5,588	4,708	616	520	-	-	6,205	5,228
Bluefish	3,014	1,605	2,246	1,089	-	-	5,259	2,694
Bonito	436	326	1,129	550	-	-	1,564	876
Butterfish	242	284	3,209	3,417	-	-	3,451	3,701
Cod:								
Atlantic	298	608	27,500	51,405	-	-	27,798	52,013
Pacific.	15,126	8,046	234,592	124,434	-	-	249,718	132,480
Croaker.	1,960	1,635	343	258	-	-	2,303	1,893
Cusk	19	21	1,563	1,710	-	-	1,581	1,731
Flounders:								
Atlantic and Gulf:								
Blackback. . . .	583	1,210	5,738	14,585	-	-	6,320	15,795
Fluke.	2,235	6,792	6,698	20,023	-	-	8,934	26,815
Yellowtail . . .	50	119	5,582	13,796	-	-	5,631	13,915
Other.	613	1,651	11,188	24,411	-	-	11,801	[illegible],062
Pacific.	17,551	5,078	242,708	55,846	-	-	260,259	6[illegible],924
Total	*21,032*	*14,850*	*271,914*	*128,661*	-	-	*292,946*	*143,511*
Groupers	89	399	5,054	21,799	-	-	5,143	22,198
Haddock.	5	12	2,314	5,570	-	-	2,318	5,582
Hake:								
Pacific (whiting).	3,676	381	52,456	5,485	-	-	56,132	5,866
Red.	130	57	2,028	975	-	-	2,157	1,032
White.	184	161	8,878	8,248	-	-	9,062	8,409
Halibut.	1,843	3,150	29,706	51,377	-	-	31,549	54,527
Herring, sea:								
Atlantic	20,138	2,625	39,783	4,581	3	(3)	59,924	7,206
Pacific.	72,146	35,907	-	-	-	-	72,146	35,907
Jack mackerel. . . .	1,070	221	120	24	-	-	1,190	245
Lingcod.	415	316	1,985	1,589	-	-	2,400	1,905
Mackerel:								
Atlantic	382	171	12,247	3,665	-	-	12,629	3,836
King	187	440	1,847	5,284	-	-	2,034	5,724
Pacific.	17,162	3,705	1,834	413	-	-	18,996	4,118
Spanish.	674	559	1,008	560	-	-	1,681	1,119

See footnotes at end of table.

(Continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 1992 (1) -- Continued

Species	Distance caught off U.S. Shores: 0 to 3 Miles (2)		Distance caught off U.S. Shores: 3 to 200 Miles		International Waters (Includes catch off foreign coasts)		Total	
Fish - Continued:	Metric tons	Thousand dollars	Metric tons	Thousand dollars	Metric tons	Thousand dollars	Metric tons	Thousand dollars
Menhaden								
Atlantic	312,933	33,524	27,607	1,230	-	-	340,540	34,754
Gulf	308,485	35,539	124,370	13,894	-	-	432,855	49,433
Total	*621,417*	*69,063*	*151,977*	*15,124*	-	-	*773,395*	*84,187*
Mullet	10,186	9,725	11	5	-	-	10,196	9,730
Ocean perch:								
Atlantic	3	2	844	788	-	-	847	790
Pacific	1,131	747	19,501	12,814	-	-	20,631	13,561
Pollock:								
Atlantic	50	73	7,136	10,470	-	-	7,186	10,543
Alaska	80,344	19,484	1,258,733	305,251	-	-	1,339,077	324,735
Rockfishes	2,529	2,301	54,202	44,979	-	-	56,731	47,280
Sablefish	1,761	4,470	32,463	75,164	-	-	34,224	79,634
Salmon:								
Chinook or king	6,935	30,513	1,127	5,684	-	-	8,063	36,197
Chum or keta	41,010	45,428	-	-	-	-	41,010	45,428
Pink	92,350	31,889	66	51	-	-	92,416	31,940
Red or sockeye	157,196	421,276	9	28	-	-	157,204	421,304
Silver or coho	24,368	43,494	1,637	4,487	-	-	26,005	47,981
Total	*321,859*	*572,600*	*2,838*	*10,250*	-	-	*324,697*	*582,850*
Scup or porgy	1,801	2,186	4,555	6,483	-	-	6,357	8,669
Sea bass:								
Black	122	389	1,808	4,016	-	-	1,930	4,405
White	43	199	11	50	-	-	54	249
Sea trout:								
Gray	1,530	2,424	1,857	2,055	-	-	3,387	4,479
Spotted	1,074	2,723	(3)	1	-	-	1,074	2,724
White	89	112	38	42	-	-	127	154
Sharks:								
Dogfish	4,311	1,086	14,889	3,589	-	-	19,199	4,675
Other	1,108	1,591	6,428	6,044	95	206	7,631	7,841
Snapper:								
Red	24	249	1,533	6,911	18	194	1,574	7,354
Other	344	1,603	2,781	11,547	51	296	3,175	13,446
Striped bass	575	1,910	4	11	-	-	579	1,921
Swordfish	-	-	4,351	30,913	4,591	29,410	8,942	60,323
Tilefish	-	-	2,428	7,833	-	-	2,428	7,833

See footnotes at end of table.

(Continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 1992 (1) -- Continued

Species	Distance caught off U.S. Shores				International Waters (Includes catch off foreign coasts)		Total	
	0 to 3 Miles (2)		3 to 200 Miles					
Fish - Continued:	Metric tons	Thousand dollars	Metric tons	Thousand dollars	Metric tons	Thousand dollars	Metric tons	Thousand dollars
Tuna:								
Albacore	9	17	2,695	6,115	5,686	12,711	8,390	18,843
Bigeye	1	11	1,506	13,147	821	6,514	2,329	19,672
Bluefin	-	-	1,616	16,431	427	482	2,043	16,913
Skipjack	21	68	1,983	2,939	170,612	128,390	172,616	131,397
Yellowfin	16	83	7,514	30,593	68,009	60,606	75,539	91,282
Unclassified	151	37	819	1,717	12	23	982	1,777
Total	*198*	*216*	*16,134*	*70,942*	*245,567*	*208,726*	*261,899*	*279,884*
Whiting	327	245	15,953	10,745	-	-	16,281	10,990
Other marine finfishes	58,417	36,870	128,753	70,202	674	2,330	187,844	109,402
Other freshwater finfishes	17,171	25,196	-	-	-	-	17,171	25,196
Total fish	*1,294,187*	*836,211*	*2,431,970*	*1,127,886*	*250,998*	*241,162*	*3,977,155*	*2,205,259*
Shellfish, et al								
Clams:								
Hard	5,524	55,084	76	504	-	-	5,600	55,588
Ocean quahog	63	215	22,819	19,325	-	-	22,882	19,540
Soft	1,786	15,968	-	-	-	-	1,786	15,968
Surf	11,722	9,271	22,109	23,152	-	-	33,831	32,423
Other	493	3,771	23	39	-	-	516	3,810
Total	*19,588*	*84,309*	*45,027*	*43,020*	-	-	*64,614*	*127,329*
Crabs:								
Blue, hard	87,408	89,002	4	4	-	-	87,412	89,006
Dungeness	15,025	38,301	3,884	10,319	-	-	18,909	48,620
King	1,647	15,444	6,996	63,653	-	-	8,644	79,097
Snow (tanner)	913	3,280	157,864	220,528	-	-	158,777	223,808
Other	4,827	17,880	4,623	12,912	-	-	9,450	30,792
Total	*109,820*	*163,907*	*173,371*	*307,416*	-	-	*283,191*	*471,323*
Lobsters:								
American	20,971	128,230	4,359	32,721	-	-	25,329	160,951
Spiny	841	8,440	1,225	10,057	144	1,654	2,210	20,151
Oysters	16,400	114,536	-	-	-	-	16,400	114,536

See footnotes at end of table.

(Continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 1992 (1) -- Continued

Species	Distance caught off U.S. Shores				International Waters (Includes catch off foreign coasts)		Total	
	0 to 3 Miles (2)		3 to 200 Miles					
Shellfish - Continued:	Metric tons	Thousand dollars	Metric tons	Thousand dollars	Metric tons	Thousand dollars	Metric tons	Thousand dollars
Scallops:								
Bay	161	2,069	-	-	-	-	161	2,069
Calico	-	-	(4)	(4)	-	-	(4)	(4)
Sea	1,162	11,712	14,047	150,517	-	-	15,208	162,229
Shrimp:								
New England	397	997	2,979	6,485	-	-	3,377	7,482
South Atlantic	9,482	46,851	1,724	4,531	-	-	11,206	51,382
Gulf	50,709	152,118	50,019	236,729	-	-	100,728	388,847
Pacific Coast	2,760	3,445	35,138	28,798	-	-	37,898	32,243
Other	-	-	1,753	12,870	-	-	1,753	12,870
Total	*63,349*	*203,411*	*91,613*	*289,413*	-	-	*154,962*	*492,824*
Squid:								
Atlantic	779	1,013	36,391	32,912	-	-	37,170	33,925
Pacific	13,240	2,664	565	34	-	-	13,806	2,698
Other shellfish	49,515	87,026	2,786	2,500	67	639	52,368	90,165
Total shellfish et al.	*295,826*	*807,317*	*369,383*	*868,590*	*211*	*2,293*	*665,420*	*1,678,200*
Grand total, 1992	*1,590,013*	*1,643,528*	*2,801,353*	*1,996,476*	*251,209*	*243,455*	*4,642,575*	*3,883,459*
Grand total, 1991 (5)	*1,749,531*	*1,374,496*	*2,622,213*	*1,924,372*	*228,309*	*223,496*	*4,600,053*	*3,522,364*

(1) Landings are reported in round (live) weight for all items, except univalve mollusks, such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). The National Marine Fisheries Service estimated the distance from shore for Texas landings data collected by Texas Parks and Wildlife Department.

(2) Includes landings from the Great Lakes and other inland waters, but excludes Mississippi River Drainage Area States.

(3) Less than 1 metric ton or $500.

(4) Data are confidential and included with unclassified shellfish.

(5) For individual species breakout see "Fisheries of the United States, 1991" pages 6-9.

NOTE:--Data are preliminary. Data include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States, and catches by U.S.-flag vessels transferred to internal water processing vessels (IWPs) in U.S. waters. Therefore, they will not agree with "U.S. Commercial Landings" tables beginning on page 1. Data do not include aquaculture products, except oysters and clams.

ESTIMATED U.S. AQUACULTURE PRODUCTION, 1983 - 1991

SPECIES	1983			1984			1985		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Finfish:									
Baitfish.....	22,046	10,000	44,000	23,598	10,704	47,045	24,807	11,252	51,280
Catfish.....	137,250	62,256	83,860	154,255	69,970	106,899	191,616	86,916	138,922
Salmon.....	1,836	833	2,548	2,675	1,213	3,414	3,921	1,779	5,465
Trout.....	48,400	21,954	50,000	49,940	22,653	54,435	50,600	22,952	55,154
Shellfish:									
Clams.....	1,680	762	6,368	2,088	947	6,670	1,999	907	4,698
Crawfish.....	69,498	31,524	32,664	66,280	30,064	27,936	65,011	29,489	29,350
Mussels.....	738	335	340	782	355	309	1,210	549	642
Oysters.....	19,416	8,807	32,034	25,365	11,505	47,906	21,906	9,936	38,882
Shrimp (FW)....	275	125	1,500	317	144	1,698	267	121	1,541
Shrimp (SW)....	255	116	510	528	239	874	440	200	1,566
Miscellaneous....	7,000	3,175	7,000	9,900	4,491	9,900	14,000	6,350	20,000
Totals.....	*308,394*	*139,887*	*260,824*	*335,728*	*152,285*	*307,086*	*375,777*	*170,451*	*347,500*

SPECIES	1986			1987			1988		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Finfish:									
Baitfish.....	25,807	11,706	51,522	26,000	11,794	71,500	26,400	11,975	71,000
Catfish.....	213,756	96,959	142,789	280,496	127,232	173,347	295,109	133,861	225,463
Salmon.....	2,878	1,305	4,399	4,024	1,825	7,462	6,777	3,074	20,647
Trout.....	51,000	23,133	55,590	56,247	25,513	57,556	56,032	25,416	57,927
Shellfish:									
Clams.....	2,564	1,163	8,173	2,409	1,093	10,311	2,128	965	11,320
Crawfish.....	69,834	31,676	35,009	70,000	31,752	29,400	65,848	29,868	24,364
Mussels.....	1,175	533	1,032	1,164	528	1,024	1,064	483	1,130
Oysters.....	24,475	11,102	49,666	23,926	10,853	49,549	24,398	11,067	58,900
Shrimp (FW)....	178	81	893	200	91	1,250	286	130	1,922
Shrimp (SW)....	1,354	614	1,687	2,656	1,205	3,408	2,200	998	7,609
Miscellaneous....	15,500	7,031	21,700	17,050	7,734	32,285	20,000	9,072	40,000
Totals.....	*408,521*	*185,304*	*372,460*	*484,172*	*219,619*	*437,092*	*500,242*	*226,909*	*520,282*

ESTIMATED U.S. AQUACULTURE PRODUCTION, 1983 - 1991

SPECIES	1989			1990			1991		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Finfish:									
Baitfish.....	24,005	10,889	62,489	21,610	9,802	53,978	21,182	9,608	55,948
Catfish.....	341,900	155,085	245,142	360,435	163,492	273,210	390,870	177,297	246,639
Salmon.....	8,504	3,857	23,742	9,069	4,114	26,341	16,753	7,599	44,156
Trout.....	55,528	25,187	60,041	56,816	25,772	64,640	59,422	26,954	59,142
Shellfish:									
Clams.....	2,370	1,075	12,721	3,680	1,669	13,486	3,784	1,716	11,133
Crawfish.....	66,000	29,937	20,460	71,000	32,205	34,000	60,585	27,481	33,285
Mussels.....	618	280	1,136	607	275	1,173	167	76	902
Oysters.....	22,255	10,095	58,082	22,192	10,066	77,949	20,373	9,241	61,851
Shrimp (FW)....	350	159	2,537	406	184	2,407	406	184	2,407
Shrimp (SW)....	1,500	680	7,551	1,984	900	7,937	3,527	1,600	14,110
Miscellaneous....	25,000	11,340	45,600	24,732	11,218	99,991	26,735	12,127	104,998
Totals.....	*548,030*	*248,584*	*539,501*	*572,531*	*259,697*	*655,112*	*603,804*	*273,883*	*634,571*

NOTE:--Table may not add due to rounding. Clams, oysters and mussels are reported as meat weights (excludes shell) while other identified species such as shrimp are reported as whole (live) weights. Some clams and oysters aquaculture production are reported with U.S. commercial landings. Only pen-reared aquaculture production is indicated for salmon weights. Weights and values usually represent final sales of products to processors and dealers. Shrimp (freshwater) are primarily Macrobrachium rosenbergii and shrimp (saltwater) are primarily Pacific white shrimp (Penaeus vannamei). Miscellaneous includes ornamental fish, alligators, algae, aquatic plants, hybrid striped bass, tilapia, and others.

Source:--Fisheries Statistics Division, F/RE1, NMFS.

U.S. COMMERCIAL LANDINGS

HISTORICAL FISHERY STATISTICS

TOTAL LANDINGS BY STATE AND REGION, 1950-1992 (1)

YEAR	MAINE		NEW HAMPSHIRE		MASSACHUSETTS	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	356,266	14,688	645	219	591,188	40,767
1951	223,051	15,606	587	216	633,189	46,815
1952	298,151	17,897	523	182	581,172	44,349
1953	243,513	16,754	689	247	510,035	37,846
1954	285,736	16,856	846	311	561,068	35,213
1955	257,174	16,083	948	345	566,413	35,057
1956	279,562	16,966	848	382	575,332	36,182
1957	292,250	16,769	1,072	386	581,062	37,936
1958	316,955	19,024	979	375	554,779	40,933
1959	265,958	19,571	1,031	414	537,614	40,870
1960	294,641	20,071	1,188	430	480,421	35,947
1961	197,970	19,029	1,146	426	470,774	36,900
1962	294,323	20,365	1,089	401	493,414	40,265
1963	285,636	21,216	1,201	443	467,693	41,234
1964	192,575	21,958	1,209	601	446,495	40,184
1965	204,846	21,922	1,272	637	442,430	46,147
1966	200,392	24,329	1,266	666	409,744	46,175
1967	197,438	22,973	1,166	683	345,621	39,068
1968	218,731	25,614	1,244	666	338,280	41,585
1969	191,314	27,533	1,288	734	281,668	42,273
1970	158,806	30,672	1,333	828	286,936	47,013
1971	142,684	31,129	1,337	864	276,626	48,351
1972	149,271	34,819	1,510	968	251,768	56,757
1973	143,319	43,061	2,483	1,047	269,012	56,226
1974	147,821	41,410	2,919	1,077	270,043	62,290
1975	138,352	48,499	3,146	1,277	273,753	82,873
1976	177,841	53,822	3,401	1,297	289,047	95,811
1977	182,189	62,001	4,327	1,647	321,152	115,897
1978	190,208	68,834	7,565	2,574	373,300	152,102
1979	233,003	80,278	8,809	3,858	372,257	76,671
1980	245,302	92,703	18,751	5,135	442,119	191,836
1981	246,396	108,017	7,813	4,589	378,878	210,359
1982	223,292	101,150	8,258	3,905	354,824	223,717
1983	203,183	107,895	10,617	5,957	372,180	235,698
1984	189,154	108,640	11,560	7,660	379,300	243,285
1985	179,924	101,137	7,620	5,270	296,873	234,203
1986	165,931	108,031	7,729	5,583	272,061	243,499
1987	172,540	132,633	8,708	8,268	257,489	286,636
1988	157,282	123,933	10,817	8,779	289,176	275,954
1989	157,914	133,214	11,469	10,383	268,900	274,152
1990	174,975	130,196	11,411	10,076	332,632	305,517
1991	191,880	155,257	10,675	13,267	288,924	295,838
1992	201,217	163,341	10,328	11,503	274,269	280,589

(Continued on next page)

U.S. COMMERCIAL LANDINGS

HISTORICAL FISHERY STATISTICS

TOTAL LANDINGS BY STATE AND REGION, 1950-1992 (1)

YEAR	RHODE ISLAND		CONNECTICUT		NEW ENGLAND, TOTAL	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	38,265	2,788	20,226	2,114	1,006,590	60,576
1951	48,795	3,496	11,185	1,299	916,807	67,432
1952	61,813	3,459	12,904	1,409	954,563	67,296
1953	92,286	3,989	17,482	1,276	864,005	60,112
1954	103,726	4,302	15,065	920	966,441	57,602
1955	115,323	4,738	15,560	1,020	955,418	57,243
1956	141,309	4,752	18,195	991	1,015,246	59,273
1957	142,080	4,605	14,419	1,114	1,030,883	60,810
1958	114,524	4,137	10,512	1,011	997,749	65,480
1959	117,793	4,285	10,810	1,096	933,206	66,236
1960	69,318	3,846	6,396	1,180	851,964	61,474
1961	84,046	3,317	6,142	1,186	760,078	60,858
1962	76,839	3,528	6,016	1,216	871,681	65,775
1963	69,312	4,149	5,047	1,247	828,889	68,289
1964	36,928	3,740	4,650	1,113	681,857	67,596
1965	48,706	4,624	4,927	1,507	702,181	74,837
1966	68,088	5,323	4,885	1,754	684,375	78,247
1967	76,347	5,764	4,768	1,768	625,340	70,256
1968	71,024	6,262	5,469	1,530	634,748	75,657
1969	88,514	8,374	5,482	1,664	568,266	80,578
1970	79,394	10,867	4,803	1,653	531,272	91,033
1971	86,094	12,552	6,780	1,752	513,521	94,648
1972	82,264	12,592	4,439	1,501	489,252	106,637
1973	96,800	14,953	6,533	1,898	518,147	117,185
1974	96,918	16,744	4,791	2,812	522,492	124,333
1975	79,483	18,899	3,629	2,584	498,363	154,132
1976	72,472	20,955	4,720	2,254	547,481	174,139
1977	73,133	23,269	5,164	4,407	585,965	207,221
1978	85,219	30,905	6,458	6,897	662,750	261,312
1979	88,889	36,429	5,225	4,686	708,183	201,922
1980	82,196	46,672	5,225	6,873	793,593	343,219
1981	80,265	44,400	8,405	9,743	721,757	377,108
1982	117,544	56,699	7,898	11,169	711,816	396,640
1983	113,954	66,747	7,963	13,080	707,897	429,377
1984	120,377	70,552	9,040	20,037	709,431	450,174
1985	104,026	70,096	7,788	12,826	596,231	423,532
1986	101,708	75,382	5,981	15,045	553,410	447,540
1987	103,694	77,691	8,573	16,662	551,004	521,890
1988	109,333	69,272	9,232	21,324	575,840	499,262
1989	125,993	75,366	10,994	29,175	575,270	522,290
1990	132,012	73,297	12,173	37,692	663,203	556,778
1991	139,805	85,111	14,905	44,815	646,189	594,288
1992	141,655	85,681	19,634	62,672	647,103	603,786

(1) Statistics represent the latest data available and therefore may not agree with previous published information.

U.S. COMMERCIAL LANDINGS

HISTORICAL FISHERY STATISTICS

TOTAL LANDINGS BY STATE AND REGION, 1950-1992 (1)

YEAR	NEW YORK (2)		NEW JERSEY		DELAWARE		MIDDLE ATLANTIC, TOTAL	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	142,341	15,502	188,623	10,200	160,721	3,141	491,685	28,843
1951	138,087	15,044	241,648	10,607	175,657	3,781	555,392	29,432
1952	140,120	13,285	240,424	12,088	212,646	3,535	593,190	28,908
1953	137,496	9,495	458,847	14,461	367,500	6,166	963,843	30,122
1954	138,058	8,219	433,598	14,507	315,223	7,826	886,879	30,552
1955	132,791	9,498	421,286	13,074	317,019	6,365	871,096	28,937
1956	153,564	9,364	540,060	15,253	360,814	6,206	1,054,438	30,823
1957	157,653	9,023	472,501	12,778	297,968	6,619	928,122	28,420
1958	97,362	8,131	251,483	9,021	276,538	5,974	625,383	23,126
1959	115,170	8,875	359,504	10,093	285,755	3,795	760,429	22,763
1960	125,932	8,781	373,688	9,607	284,228	3,369	783,848	21,757
1961	124,011	9,177	396,752	11,032	304,680	3,743	825,443	23,952
1962	225,759	10,201	446,929	11,824	271,686	3,184	944,374	25,209
1963	191,256	9,718	255,020	10,335	104,188	1,292	550,464	21,345
1964	197,022	10,790	139,362	9,423	33,839	684	370,223	20,897
1965	147,462	12,387	160,440	11,385	48,049	909	355,951	24,681
1966	64,113	11,349	98,273	9,886	5,526	341	167,912	21,576
1967	37,509	12,583	123,688	10,716	865	259	162,062	23,558
1968	59,488	14,326	126,369	10,609	673	228	186,530	25,163
1969	41,387	14,040	92,862	10,979	3,615	519	137,864	25,538
1970	32,484	16,117	97,547	12,505	9,960	1,293	139,991	29,915
1971	36,360	18,570	115,586	12,199	9,618	1,651	161,564	32,420
1972	37,009	22,018	190,516	14,422	12,538	2,472	240,063	38,912
1973	36,304	21,903	209,796	18,445	10,661	2,185	256,761	42,533
1974	34,791	25,227	166,965	16,609	9,214	1,728	210,970	43,564
1975	37,422	28,263	143,582	19,812	7,055	1,717	188,059	49,792
1976	34,627	32,329	226,989	34,550	7,169	1,950	268,785	68,829
1977	33,009	30,634	178,644	38,480	2,457	888	214,110	70,002
1978	36,300	33,780	163,701	44,446	1,846	749	201,847	78,975
1979	38,494	38,970	194,078	53,205	2,161	751	234,733	92,926
1980	41,220	45,165	81,966	44,039	5,177	2,074	128,363	91,278
1981	37,187	45,510	188,932	48,236	3,284	1,833	229,403	95,579
1982	36,198	45,416	90,764	45,172	3,772	2,326	130,734	92,914
1983	38,582	38,280	86,868	54,078	3,171	1,781	128,621	94,139
1984	39,532	39,893	111,916	67,904	3,102	2,038	154,550	109,835
1985	39,885	37,783	107,998	61,033	4,916	2,385	152,799	101,201
1986	43,270	44,962	112,127	67,276	5,202	2,413	160,599	114,651
1987	40,595	53,087	116,164	72,691	5,758	2,475	162,517	128,253
1988	38,296	54,105	112,694	72,064	5,744	3,101	156,734	129,270
1989	40,723	54,373	128,536	78,828	6,743	3,540	176,002	136,741
1990	46,086	55,063	149,394	89,387	9,427	4,602	204,907	149,052
1991	50,664	53,025	175,841	96,865	9,427	4,602	235,932	154,492
1992	49,895	53,771	204,368	97,500	6,554	4,207	260,817	155,478

(1) Statistics represent the latest data available and therefore may not agree with previous published information. (2) Data does not include Great Lakes catch.

HISTORICAL FISHERY STATISTICS

TOTAL LANDINGS BY STATE AND REGION, 1950-1992 (1)

YEAR	MARYLAND		VIRGINIA		CHESAPEAKE, TOTAL	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	67,092	8,888	313,800	16,119	380,892	25,007
1951	64,702	10,146	265,888	14,965	330,590	25,111
1952	64,155	10,523	219,471	16,005	283,626	26,528
1953	64,712	10,369	277,825	15,995	342,537	26,364
1954	60,022	11,847	412,541	19,991	472,563	31,838
1956	55,249	11,147	440,959	20,454	496,208	31,601
1955	62,006	13,501	314,352	19,271	376,358	32,772
1957	67,185	12,188	380,138	20,256	447,323	32,444
1958	66,091	11,953	437,146	24,746	503,237	36,699
1959	63,050	12,695	526,306	25,750	589,356	38,445
1960	69,113	13,936	366,684	20,925	435,797	34,861
1961	66,492	12,778	411,414	24,315	477,906	37,093
1962	67,574	11,926	453,901	21,701	521,475	33,627
1963	55,457	10,748	374,746	19,056	430,203	29,804
1964	70,828	11,729	465,768	24,219	536,596	35,948
1965	86,672	13,220	504,862	29,969	591,534	43,189
1966	83,309	14,279	418,380	20,959	501,689	35,238
1967	74,666	17,356	347,651	18,093	422,317	35,449
1968	55,788	16,009	382,070	20,550	437,858	36,559
1969	74,831	18,184	279,251	17,926	354,082	36,110
1970	79,897	18,556	550,553	21,997	630,450	40,553
1971	75,113	19,666	491,765	21,821	566,878	41,487
1972	69,979	19,266	666,180	26,824	736,159	46,090
1973	70,417	21,495	630,744	40,857	701,161	62,352
1974	66,859	22,379	530,400	35,667	597,259	58,046
1975	64,317	22,898	444,827	33,076	509,144	55,974
1976	58,094	30,808	528,896	43,355	586,990	74,163
1977	62,033	31,429	609,076	55,596	671,109	87,025
1978	61,504	35,162	538,310	60,667	599,814	95,829
1979	69,381	39,259	572,854	84,656	642,235	123,915
1980	79,628	44,682	637,515	84,993	717,143	129,675
1981	115,913	57,635	487,919	69,124	603,832	126,759
1982	91,786	50,040	690,677	68,768	782,242	118,398
1983	92,158	52,219	750,443	84,538	842,601	136,757
1984	91,282	55,193	591,261	84,008	682,543	139,201
1985	101,345	55,914	731,309	80,459	832,654	136,373
1986	91,244	56,731	537,497	84,932	628,741	141,663
1987	85,247	55,080	707,988	106,634	793,235	161,714
1988	84,368	49,455	650,852	104,336	735,220	153,791
1989	88,886	57,041	699,235	100,431	788,121	157,472
1990	86,003	57,107	786,794	106,523	872,797	163,630
1991	88,462	47,131	681,163	94,984	769,625	142,115
1992	57,067	36,424	630,521	90,500	687,588	126,924

(1) Statistics represent the latest data available and therefore may not agree with previous published information.

U.S. COMMERCIAL LANDINGS

HISTORICAL FISHERY STATISTICS

TOTAL LANDINGS BY STATE AND REGION, 1950-1992 (1)

YEAR	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	172,338	6,800	14,726	2,810	17,351	3,584
1951	157,864	6,329	18,062	2,283	15,248	2,615
1952	240,192	7,216	16,204	1,927	16,483	2,253
1953	192,648	8,265	14,419	2,253	18,046	3,211
1954	213,266	6,936	17,178	2,547	19,454	2,647
1955	233,096	7,284	22,033	2,487	19,025	2,472
1956	300,718	8,115	18,057	2,453	17,364	3,125
1957	237,158	8,123	24,402	2,815	18,802	3,503
1958	290,251	7,696	16,220	2,965	20,066	3,597
1959	342,612	8,242	23,443	2,936	21,594	2,656
1960	265,248	7,020	24,252	4,039	27,968	3,391
1961	286,751	6,669	19,242	3,345	20,532	3,018
1962	182,384	6,755	22,680	4,720	22,136	4,553
1963	256,652	7,047	22,015	3,236	21,011	2,613
1964	238,579	8,023	21,723	3,001	18,338	2,973
1965	233,961	9,241	26,611	4,928	20,059	4,140
1966	250,932	9,571	23,192	4,199	16,024	3,883
1967	225,088	8,328	18,868	3,220	16,382	3,655
1968	232,175	9,706	21,323	5,610	14,338	6,210
1969	219,034	12,525	20,648	5,248	15,665	6,505
1970	173,442	9,365	16,066	4,268	14,415	4,163
1971	143,475	11,227	24,154	8,151	18,410	7,479
1972	175,811	11,838	22,056	7,826	17,544	6,806
1973	137,869	16,066	21,073	11,266	17,185	10,623
1974	206,691	17,484	18,995	7,118	18,155	7,095
1975	238,301	20,000	20,079	13,117	17,750	11,947
1976	226,069	27,465	21,479	14,070	14,528	12,375
1977	251,261	28,648	16,320	9,544	13,272	9,099
1978	299,541	40,609	20,609	16,033	17,495	14,569
1979	390,471	58,453	21,670	26,365	21,909	27,738
1980	356,193	68,784	21,283	20,508	19,660	20,178
1981	432,006	57,520	16,248	14,132	18,844	13,698
1982	307,968	63,824	20,195	24,320	20,548	22,845
1983	287,733	57,425	19,717	25,324	19,906	25,653
1984	277,169	57,263	14,917	14,878	30,819	11,580
1985	214,874	64,593	12,740	13,562	17,311	19,737
1986	168,882	63,231	17,114	24,797	15,854	25,770
1987	157,324	65,707	16,677	22,303	15,866	16,469
1988	192,679	77,723	17,618	24,724	17,564	17,796
1989	165,197	73,958	20,065	24,893	15,770	19,791
1990	174,993	70,692	14,516	24,012	13,191	19,761
1991	212,641	66,789	19,138	28,534	15,987	23,719
1992	154,430	58,025	19,272	25,621	17,620	22,957

(Continued on next page)

HISTORICAL FISHERY STATISTICS

TOTAL LANDINGS BY STATE AND REGION, 1950-1992 (1)

YEAR	FLORIDA, EAST COAST		SOUTH ATLANTIC, TOTAL	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	56,466	5,750	260,881	18,944
1951	119,609	6,739	310,783	17,966
1952	163,428	8,221	436,307	19,617
1953	101,432	6,428	326,545	20,157
1954	76,166	5,430	326,064	17,560
1955	72,420	5,031	346,574	17,274
1956	107,806	6,227	443,945	19,920
1957	54,826	6,207	335,188	20,648
1958	49,118	5,820	375,655	20,078
1959	81,063	5,036	468,712	18,870
1960	61,411	5,780	378,879	20,230
1961	75,721	6,904	402,246	19,936
1962	78,216	7,434	305,416	23,462
1963	71,039	6,572	370,717	19,468
1964	57,357	6,622	335,997	20,619
1965	76,021	8,480	356,652	26,789
1966	77,629	9,416	367,777	27,069
1967	93,006	9,823	353,344	25,026
1968	71,602	11,417	339,438	32,943
1969	63,362	12,079	318,709	36,357
1970	76,244	12,044	280,167	29,840
1971	72,014	14,836	258,053	41,693
1972	70,912	18,402	286,323	44,872
1973	64,037	19,332	240,164	57,287
1974	60,822	19,090	304,663	50,787
1975	56,943	18,512	333,073	63,576
1976	56,405	20,046	318,481	73,956
1977	66,011	23,951	346,864	71,242
1978	44,291	19,602	381,936	90,813
1979	40,915	30,196	474,965	142,752
1980	66,224	36,133	463,360	145,603
1981	70,576	47,593	537,674	132,943
1982	68,730	52,222	417,441	163,211
1983	58,767	48,694	386,123	157,096
1984	89,196	60,520	412,101	144,241
1985	49,787	51,233	294,712	149,125
1986	24,901	39,799	226,751	153,597
1987	55,739	57,466	245,606	161,945
1988	50,763	54,104	278,624	174,347
1989	56,080	53,463	257,112	172,105
1990	57,982	54,266	260,682	168,731
1991	45,378	49,874	293,144	168,916
1992	46,793	46,001	238,115	152,604

(1) Statistics represent the latest data available and therefore may not agree with previous published information.

HISTORICAL FISHERY STATISTICS

TOTAL LANDINGS BY STATE AND REGION, 1950-1992 (1)

YEAR	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	62,013	9,955	10,988	2,122	93,023	5,441
1951	88,271	15,414	13,643	2,639	134,830	5,035
1952	101,135	19,254	13,506	2,867	137,485	5,721
1953	108,027	25,372	11,964	3,017	86,532	5,581
1954	97,521	19,815	12,224	1,874	125,005	4,813
1955	105,756	21,190	13,441	2,265	188,387	6,725
1956	107,594	24,582	12,320	2,887	239,781	8,227
1957	109,275	24,205	11,888	2,649	212,515	7,445
1958	126,585	24,258	10,343	2,671	208,348	6,955
1959	131,887	18,191	14,022	2,968	255,026	6,685
1960	135,535	21,048	12,106	3,003	314,214	7,606
1961	125,379	20,303	8,458	1,991	391,689	7,549
1962	119,607	24,921	9,081	2,509	370,074	7,983
1963	124,683	22,477	14,888	3,714	341,313	8,591
1964	129,659	24,165	15,067	3,975	331,898	8,045
1965	135,866	26,866	17,789	4,986	368,385	9,264
1966	125,975	24,984	20,562	6,807	269,853	9,066
1967	114,408	23,118	26,412	8,300	262,059	8,986
1968	119,293	27,809	26,661	9,617	240,657	9,860
1969	116,525	29,524	28,515	10,548	306,936	10,528
1970	116,470	31,222	29,620	9,937	297,767	11,101
1971	107,486	31,186	34,237	13,812	396,903	12,701
1972	108,201	38,623	36,042	17,728	256,672	11,430
1973	112,617	46,263	36,744	17,667	267,584	16,599
1974	123,262	51,921	34,132	16,928	300,977	15,734
1975	115,836	56,531	31,564	21,016	305,758	14,347
1976	110,605	69,449	31,849	33,631	288,160	21,008
1977	116,334	75,728	34,600	36,795	312,993	25,517
1978	112,857	85,461	29,740	35,411	314,563	25,462
1979	119,680	102,590	29,967	51,178	333,920	32,199
1980	120,620	95,213	24,805	33,226	278,868	24,866
1981	144,380	122,266	32,942	43,997	210,018	22,698
1982	124,180	117,994	24,670	46,408	334,145	34,827
1983	118,347	115,792	21,077	42,909	384,993	43,994
1984	127,835	120,930	26,311	43,868	476,997	43,503
1985	123,555	123,997	29,080	41,537	439,518	37,962
1986	134,810	133,948	36,695	64,035	373,577	42,007
1987	137,395	146,494	24,461	44,551	399,007	44,859
1988	127,825	141,772	22,293	39,081	294,668	43,747
1989	126,307	114,381	25,444	38,293	298,206	43,949
1990	121,958	116,228	22,669	35,931	319,585	42,379
1991	117,353	112,182	21,907	36,697	238,388	34,297
1992	105,376	108,888	23,689	35,566	187,634	31,348

(Continued on next page)

HISTORICAL FISHERY STATISTICS

TOTAL LANDINGS BY STATE AND REGION, 1950-1992 (1)

YEAR	LOUISIANA		TEXAS		GULF, TOTAL	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	307,366	21,575	97,251	11,265	570,641	50,358
1951	314,634	24,836	98,290	15,699	649,668	63,623
1952	384,656	23,034	122,725	17,345	759,507	68,221
1953	410,937	24,015	141,962	27,173	759,422	85,158
1954	368,339	22,869	151,612	23,202	754,701	72,573
1955	391,953	22,378	130,101	23,729	829,638	76,287
1956	401,819	23,772	138,260	25,910	899,774	85,378
1957	217,945	15,950	140,310	34,115	691,933	84,364
1958	314,524	20,864	149,037	31,791	808,837	86,539
1959	543,679	23,607	210,337	26,189	1,154,951	77,640
1960	566,411	25,949	237,684	27,853	1,265,950	85,459
1961	648,334	21,432	203,252	24,246	1,377,112	75,521
1962	766,540	28,923	172,108	30,168	1,437,410	94,504
1963	752,284	33,941	166,344	30,067	1,399,512	98,790
1964	696,[illegible]	33,585	145,070	29,528	1,317,834	99,298
1965	787,[illegible]	36,852	154,348	35,574	1,463,475	113,542
1966	656,834	38,979	122,944	42,745	1,196,168	122,581
1967	639,675	37,280	138,227	49,722	1,180,781	127,406
1968	754,502	42,125	147,795	49,557	1,288,908	138,968
1969	1,003,160	54,426	159,370	47,294	1,614,506	152,320
1970	1,107,251	61,072	146,996	53,249	1,698,104	166,581
1971	1,390,832	71,945	167,183	69,772	2,096,641	199,416
1972	1,072,255	71,693	114,738	84,988	1,587,908	224,462
1973	1,028,563	94,626	98,228	91,479	1,543,736	266,634
1974	1,223,444	85,841	93,984	71,802	1,775,799	242,226
1975	1,114,898	86,028	85,980	92,659	1,654,036	270,581
1976	1,218,579	135,188	93,427	127,156	1,742,620	386,432
1977	910,004	136,169	108,501	134,171	1,482,432	408,380
1978	1,680,207	193,278	96,866	144,333	2,234,233	483,945
1979	1,535,718	208,863	65,228	148,076	2,084,513	542,906
1980	1,421,203	194,235	78,978	151,068	1,924,474	498,608
1981	1,185,583	205,654	107,509	173,410	1,680,432	568,025
1982	1,729,968	240,005	85,763	186,755	2,298,726	625,989
1983	1,900,062	242,153	92,393	189,512	2,516,872	634,360
1984	1,931,027	262,638	106,333	192,879	2,623,684	663,818
1985	1,721,980	241,772	102,504	177,424	2,416,637	622,692
1986	1,704,753	326,196	116,515	248,738	2,366,350	814,924
1987	1,849,595	337,347	112,990	208,652	2,523,448	781,903
1988	1,358,581	316,089	99,081	188,368	1,902,448	729,057
1989	1,227,941	264,153	96,421	170,118	1,774,319	630,894
1990	1,061,228	263,467	99,191	182,351	1,624,631	640,356
1991	1,192,539	243,600	108,315	214,410	1,678,502	641,186
1992	1,013,575	294,986	96,125	181,353	1,426,399	652,141

(1) Statistics represent the latest data available and therefore may not agree with previous published information.

U.S. COMMERCIAL LANDINGS

HISTORICAL FISHERY STATISTICS

TOTAL LANDINGS BY STATE AND REGION, 1950-1992 (1)

YEAR	ALASKA		WASHINGTON		OREGON	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	482,293	31,372	118,695	19,070	58,256	7,151
1951	407,727	39,260	151,941	23,453	53,046	7,184
1952	374,184	37,238	131,767	18,833	48,279	6,049
1953	296,966	26,467	149,546	19,932	40,781	4,836
1954	337,629	31,251	160,424	24,375	43,485	4,611
1955	315,323	26,768	155,305	20,906	46,710	5,683
1956	428,146	37,739	126,501	19,303	61,309	7,785
1957	371,117	31,554	142,751	19,320	57,694	5,978
1958	379,086	33,197	164,987	25,426	59,467	7,345
1959	323,523	28,787	155,186	21,529	51,718	6,396
1960	357,713	40,934	113,115	15,551	49,160	6,055
1961	413,468	46,470	120,381	18,716	50,542	6,521
1962	429,218	57,242	117,504	18,939	61,005	7,833
1963	391,938	45,703	149,687	21,437	61,362	7,679
1964	492,614	56,016	100,924	15,632	57,206	7,030
1965	492,195	70,327	127,357	18,477	69,145	8,816
1966	581,670	80,718	136,218	20,659	74,804	11,167
1967	361,345	47,790	174,770	24,919	91,632	16,284
1968	449,741	79,093	125,037	20,517	94,498	16,692
1969	386,090	70,435	144,012	27,138	87,230	16,999
1970	545,326	96,118	133,638	29,516	98,089	22,962
1971	471,218	83,766	136,781	32,165	77,676	16,882
1972	455,767	102,090	123,692	38,738	93,044	24,099
1973	466,286	152,299	143,709	69,253	92,225	30,085
1974	463,085	145,220	146,771	58,336	96,360	37,207
1975	444,144	129,713	146,021	61,581	86,229	26,015
1976	616,972	239,477	142,855	72,138	94,585	39,626
1977	674,933	349,198	163,983	89,374	114,884	45,266
1978	745,586	438,616	153,832	95,145	134,894	55,576
1979	898,539	597,034	173,958	97,786	131,982	68,179
1980	1,053,896	560,603	162,918	76,716	124,639	55,234
1981	975,245	639,797	171,928	83,343	135,776	58,686
1982	878,935	575,569	178,851	91,680	128,752	52,841
1983	963,765	543,941	154,971	65,213	98,503	38,460
1984	1,002,909	509,254	159,923	79,717	81,905	34,869
1985	1,184,807	509,751	175,671	99,004	99,146	46,720
1986	1,236,062	752,417	157,853	120,583	113,941	62,341
1987	1,697,547	941,690	162,826	154,012	138,978	95,936
1988	2,039,250	1,339,424	173,553	172,274	148,613	98,919
1989	4,088,780	1,223,230	163,003	134,585	170,052	78,846
1990	5,098,937	1,458,903	137,186	118,138	139,335	70,449
1991	5,144,800	1,216,482	152,290	109,548	150,023	62,946
1992	5,637,937	1,577,421	121,512	104,960	256,912	76,240

(Continued on next page)

HISTORICAL FISHERY STATISTICS

TOTAL LANDINGS BY STATE AND REGION, 1950-1992 (1)

YEAR	CALIFORNIA		TOTAL		HAWAII		GRAND TOTAL, PACIFIC	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950 ...	1,338,299	81,605	1,997,543	139,198	15,917	3,508	2,013,460	142,706
1951 ...	862,149	66,597	1,474,863	136,494	19,348	3,999	1,494,211	140,493
1952 ...	651,833	65,837	1,206,063	127,957	13,962	3,475	1,220,025	131,432
1953 ...	543,691	59,419	1,030,984	110,654	18,862	3,798	1,049,846	114,452
1954 ...	621,991	67,403	1,163,529	127,640	20,610	3,709	1,184,139	131,349
1955 ...	598,089	53,175	1,115,427	106,532	15,096	3,113	1,130,523	109,645
1956 ...	674,545	57,722	1,290,501	122,549	16,560	3,175	1,307,061	125,724
1957 ...	620,738	50,854	1,192,300	107,706	10,728	2,604	1,203,028	110,310
1958 ...	674,884	56,742	1,278,424	122,710	11,361	2,632	1,289,785	125,342
1959 ...	524,823	47,474	1,055,250	104,186	16,570	3,179	1,071,820	107,365
1960 ...	540,837	49,578	1,060,825	112,118	11,118	2,704	1,071,943	114,822
1961 ...	598,438	56,283	1,182,829	127,990	14,472	2,897	1,197,301	130,887
1962 ...	518,020	54,969	1,125,747	138,983	13,157	2,820	1,138,904	141,803
1963 ...	513,746	49,286	1,116,733	124,105	11,735	2,679	1,128,468	126,784
1964 ...	500,868	50,659	1,151,612	129,337	12,685	2,848	1,164,297	132,185
1965 ...	458,028	50,743	1,146,725	148,363	19,588	3,602	1,166,313	151,965
1966 ...	460,945	55,582	1,253,637	168,126	12,992	3,116	1,266,629	171,242
1967 ...	506,988	51,384	1,134,735	140,377	11,842	3,068	1,146,577	143,445
1968 ...	448,173	54,092	1,117,449	170,394	12,896	3,451	1,130,345	173,845
1969 ...	578,602	62,844	1,195,934	177,416	9,543	3,483	1,205,477	180,899
1970 ...	702,720	86,392	1,479,773	234,988	11,051	3,900	1,490,824	238,888
1971 ...	583,434	86,371	1,269,109	219,184	16,873	5,238	1,285,982	224,422
1972 ...	649,252	98,648	1,321,755	263,575	14,443	5,743	1,336,198	269,318
1973 ...	730,871	111,743	1,433,091	363,380	14,035	6,115	1,447,126	369,495
1974 ...	684,511	140,338	1,390,727	381,101	10,990	6,028	1,401,717	387,129
1975 ...	874,978	134,737	1,551,372	352,046	9,209	6,313	1,560,581	358,359
1976 ...	917,021	186,602	1,771,433	537,843	14,761	8,878	1,786,194	546,721
1977 ...	855,674	188,883	1,809,474	672,721	13,288	10,180	1,822,762	682,901
1978 ...	669,899	215,167	1,704,211	804,504	12,798	12,119	1,717,009	816,623
1979 ...	764,918	238,148	1,969,397	1,001,147	11,611	11,815	1,981,008	1,012,962
1980 ...	801,586	310,754	2,143,039	1,003,307	9,845	11,091	2,152,884	1,014,398
1981 ...	790,043	276,640	2,072,992	1,058,466	9,807	11,309	2,082,799	1,069,775
1982 ...	698,637	230,053	1,885,175	950,143	7,968	10,360	1,893,143	960,503
1983 ...	523,171	190,235	1,740,410	837,849	8,802	12,496	1,749,212	850,345
1984 ...	448,107	163,988	1,692,844	787,828	9,572	14,772	1,702,416	802,600
1985 ...	359,630	127,925	1,819,254	783,400	8,169	16,889	1,827,423	800,289
1986 ...	417,439	146,231	1,925,295	1,081,572	10,733	20,155	1,936,028	1,101,727
1987 ...	444,448	162,489	2,443,799	1,354,127	11,422	21,339	2,455,221	1,375,466
1988 ...	500,300	196,823	2,861,716	1,807,440	11,028	21,696	2,872,744	1,829,136
1989 ...	497,521	156,838	4,919,356	1,593,499	13,975	32,427	4,933,331	1,625,926
1990 ...	415,778	159,863	5,791,236	1,807,353	16,728	44,098	5,807,964	1,851,451
1991 ...	348,238	139,560	5,795,351	1,528,536	27,662	57,702	5,823,013	1,586,238
1992 ...	302,380	136,306	6,318,741	1,894,927	27,893	70,209	6,346,634	1,965,136

(1) Statistics represent the latest data available and therefore may not agree with previous published information.

DATA COLLECTION. While data on commercial fisheries have been collected for many years, detailed statistical information on marine recreational fishing is also required to support a variety of fishery management and development purposes. These include the objectives of the Magnuson Fishery Conservation and Management Act, Public Law 94-265, as amended. However, prior to 1979, the lack of a continuous or systematic collection of marine recreational fishery data had prevented the accomplishment of these goals. Therefore, NMFS began a comprehensive Marine Recreational Fishery Statistical Survey (MRFSS) in 1979. Surveys have been conducted in the following areas and years:

Atlantic and Gulf, 1979 through 1992;
Pacific, mid-1979 through 1989;
Western Pacific, 1979 through 1981;
and Caribbean, 1979, 1981.

Preliminary estimates of catch and trips from the MRFSS for the Atlantic and Gulf for 1992 are presented in the following tables. Summary graphs for 1981-1992 catch and trips are also shown. The survey is being conducted in 1993 along the coast of the entire continental United States except Washington State.

The MRFSS data collection consists of an intercept survey of recreational anglers in the field and an independent telephone survey of coastal county households. Each survey component contributes certain information that is combined to produce estimates of recreational catch, fishing effort, and participation. Estimates are calculated by subregion, state, species, fishing mode, and area of fishing. In addition, information on catch rates and measurements of fish lengths and weights are obtained.

The MRFSS is only one of several NMFS efforts to obtain data on recreational fisheries. Specialized surveys on particular fisheries or to obtain socio-economic data are also conducted by NMFS.

DATA TABLES. The total number of fish caught is presented for twenty commonly caught species groups on the Atlantic and Gulf coasts. Total number caught includes those fish which were brought ashore in whole form and were available for identification, weighing, and measuring as well as those fish which were not available for identification. This latter category includes those fish which were used for bait, disarded, filleted or released alive. Each species group may contain one or more species, genera, or families.

Total catch is distributed by subregion, fishing area, and mode. The fishing areas are; ocean 3 miles or less from land, ocean more than 3 miles from land, and inland (sounds, rivers, bays). However, ocean data for the Gulf coast of Florida are reported as 10 miles or less from land and more than 10 miles from land. Fishing modes are; shore (man-made structures and beach/bank from previous surveys), party/charter boat, and private/rental boat. In 1992 partyboats were not sampled by the MRFSS in the South Atlantic and Gulf subregions; therefore estimated catches are presented for charterboats only for these subregions.

Trip estimates are presented for coastal residents (generally residing within 25 miles of the coast), non-coastal residents of the subregion, and non-residents, by fishing mode.

The 1992 survey did not include Texas or the January and February period for Georgia, South Carolina and Atlantic Coast states north of North Carolina. More detailed information will be available in a separate MRFSS report to be published later.

PRELIMINARY 1992 MRFSS DATA. The total Atlantic and Gulf Coast marine recreational finfish catch in 1992 was an estimated 285.5 million fish. These fish were taken on an estimated 52.1 million fishing trips. The harvest (excluding fish released alive) was estimated at 144.2 million fish weighing approximately 164.3 million pounds (74,525 metric tons).

Commonly caught species, by number, in 1992 were herrings (primarily used for bait), spotted seatrout, saltwater catfishes, summer flounder, pinfish, spot, bluefish, Atlantic croaker, and black sea bass. Top-ranked species in each subregion in 1992 were scup in the North Atlantic, spot in the Mid-Atlantic, and herrings in the South Atlantic and Gulf of Mexico. The Gulf (46 percent) and Mid-Atlantic (28 percent) subregions accounted for the highest numbers of Atlantic and Gulf Coast fishes.

The inland, ocean 3 miles or less from shore, and ocean 10 miles or less from shore areas accounted for approximately 89 percent of the Atlantic and Gulf Coast catch by number. The remaining 11 percent of the catch from the Exclusive Economic Zone (EEZ), the principal area of NMFS management authority. However, for some species (e.g., red snapper) over 80 percent of the catch was made in the EEZ.

As in 1991, about sixty-eight percent of the Atlantic and Gulf Coast catch was taken in the private/rental boat mode in 1992. However, other modes were important for particular species such as king mackerel from the charter boat mode and kingfishes and mullets from the shore mode. Overall, shore-mode catches were 25 percent of the total and party/charter boat catches (excluding South Atlantic and Gulf partyboats) were 6 percent of the total.

Coastal residents accounted for 75 percent of the Atlantic and Gulf trips made in 1992. Non-residents accounted for an additional 22 percent of the trips. Total trips in the South Atlantic exceeded all other subregions.

ESTIMATED TOTAL NUMBER OF FISH CAUGHT BY MARINE RECREATIONAL ANGLERS BY SPECIES GROUP AND SUBREGION: ATLANTIC AND GULF COASTS, JANUARY 1992 - DECEMBER 1992

Species group	North Atlantic	Mid-Atlantic	South Atlantic	Gulf of Mexico	Total
	Thousands				
Herrings	1,365	665	3,723	21,236	26,989
Saltwater catfishes	*	*	1,518	10,611	12,129
Black sea bass	47	6,898	1,768	2,257	10,970
Bluefish	3,144	5,384	2,551	501	11,581
Red snapper	*	*	128	1,649	1,778
Scup	5,787	4,287	57	-	10,134
Pinfish	*	-	3,570	8,378	11,955
Sheepshead	*	-	1,500	4,054	5,564
Spotted seatrout	*	59	2,153	18,188	20,400
Weakfish	-	1,487	194	*	1,695
Sand seatrout	*	*	*	3,243	3,243
Spot	*	11,864	3,567	200	15,631
Kingfishes	-	505	1,869	1,142	3,517
Atlantic croaker	*	10,912	3,225	3,221	17,358
Red drum	*	-	777	7,147	7,954
Mullets	*	72	3,652	1,636	5,360
King mackerel	*	-	811	446	1,275
Summer flounder	462	11,670	415	-	12,549
Winter flounder	441	1,233	*	*	1,674
Other fishes	8,262	26,126	21,323	48,027	103,739
Total	*19,522*	*81,226*	*52,802*	*131,943*	*285,494*

Note:-- A dash (-) denotes an estimate of less than thirty thousand which is included in row and column totals. An asterisk (*) denotes none reported. Figures for the Gulf of Mexico do not include the recreational catch for Texas. Figures for the South Atlantic and Gulf of Mexico do not include catches for partyboats. Row and column totals may not add due to rounding.

ESTIMATED TOTAL NUMBER OF FISH CAUGHT BY MARINE RECREATIONAL ANGLERS BY SPECIES GROUP AND FISHING MODE: ATLANTIC AND GULF COASTS, JANUARY 1992 - DECEMBER 1992.

Species group	Shore	Charter Boats	Party/ Charter Boats	Private/ Rental Boats	Total
	Thousands				
Herrings	7,538	2,748	-	16,677	26,989
Saltwater catfishes	3,216	69	*	8,845	12,129
Black sea bass	708	245	2,214	7,803	10,970
Bluefish	3,480	41	1,263	6,797	11,581
Red snapper	-	480	*	1,282	1,778
Scup	1,373	*	932	7,829	10,134
Pinfish	5,786	-	*	6,146	11,955
Sheepshead	1,701	-	*	3,844	5,564
Spotted seatrout	1,492	291	*	18,618	20,400
Weakfish	99	*	98	1,497	1,695
Sand seatrout	986	44	*	2,214	3,243
Spot	4,416	*	577	10,637	15,631
Kingfishes	1,919	-	-	1,573	3,517
Atlantic croaker	3,772	-	516	13,068	17,358
Red drum	1,084	108	*	6,761	7,954
Mullets	2,665	-	*	2,687	5,360
King mackerel	62	509	-	702	1,275
Summer flounder	944	*	770	10,835	12,549
Winter flounder	451	*	192	1,031	1,674
Other fishes	30,280	3,633	3,207	66,619	103,739
Total	*71,986*	*8,230*	*9,814*	*195,464*	*285,494*

Note:-- A dash (-) denotes an estimate of less than thirty thousand which is included in row and column totals. An asterisk (*) denotes none reported. Figures for Charter Boats include only catches in the South Atlantic and Gulf of Mexico excluding Texas. Figures for Party/Charter Boats are only for the North Atlantic and Mid-Atlantic subregions. Row and column totals may not add due to rounding.

ESTIMATED NUMBER OF FISH CAUGHT BY MARINE RECREATIONAL ANGLERS BY SPECIES GROUP AND AREA OF FISHING: ATLANTIC AND GULF COASTS, JANUARY 1992 - DECEMBER 1992

Species group	Ocean				Inland	Total
	3 Miles or less	Over 3 miles	10 Miles or less	Over 10 Miles		
	Thousands					
Herrings	2,539	174	4,700	193	19,382	26,989
Saltwater catfishes	1,679	282	1,143	110	8,916	12,129
Black sea bass	1,285	4,477	1,148	548	3,511	10,970
Bluefish	4,284	1,522	248	-	5,525	11,579
Red snapper	176	1,275	118	172	37	1,778
Scup	2,413	266	*	*	7,455	10,134
Pinfish	1,617	178	2,882	339	6,940	11,955
Sheepshead	432	64	481	48	4,538	5,564
Spotted seatrout	2,088	643	2,926	175	14,567	20,400
Weakfish	153	118	*	*	1,423	1,695
Sand seatrout	649	140	238	-	2,196	3,223
Spot	2,519	109	-	-	12,992	15,620
Kingfishes	1,533	81	439	*	1,463	3,517
Atlantic croaker	2,338	535	257	-	14,221	17,350
Red drum	1,073	241	708	91	5,841	7,954
Mullets	800	49	259	-	4,245	5,353
King mackerel	233	673	255	107	-	1,267
Summer flounder	3,863	267	*	*	8,419	12,549
Winter flounder	252	32	*	*	1,390	1,674
Other fishes	16,664	9,919	20,552	8,726	47,878	103,739
Total	*46,591*	*21,046*	*36,365*	*10,547*	*170,945*	*285,494*

Note:--"Ocean 10 mi or less" and "ocean over 10 mi" refer only to the Florida Gulf coast where state jurisdiction extends to three marine leagues, approximately ten nautical miles. The total estimate is additive across the four areas. A dash (-) denotes an estimate of less than thirty thousand which is included in row and column totals. An asterisk (*) denotes none reported. Row and column totals may not add due to rounding. Figures do not include any recreational catches for Texas or partyboat catches for the South Atlantic and Gulf of Mexico.

ESTIMATED TOTAL NUMBER OF FISHING TRIPS BY MARINE RECREATIONAL ANGLERS BY SUBREGION AND AREA OF RESIDENCE: ATLANTIC AND GULF COASTS, JANUARY 1992 - DECEMBER 1992

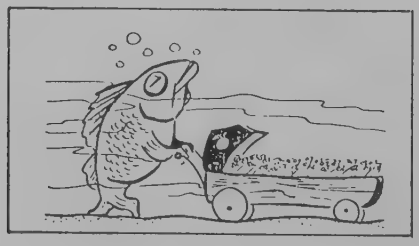
Subregion	Trips by coastal residents	Trips by non-coastal residents	Non-resident trips	Total
	Thousands			
North Atlantic.....	4,551	287	1,564	6,402
Mid-Atlantic.....	10,186	297	2,504	12,987
South Atlantic.....	12,212	831	3,591	16,634
Gulf of Mexico.....	12,322	137	3,571	16,030
Total.....	*39,271*	*1,552*	*11,230*	*52,053*

Note:--Estimates for the Gulf of Mexico exclude Texas. Estimates for the South Atlantic and Gulf of Mexico subregions exclude partyboat trips. Estimates also exclude January/February trips in the North Atlantic subregion and in the South Atlantic states north of Florida, as well as November/December trips in the North Atlantic states north of Massachusetts.

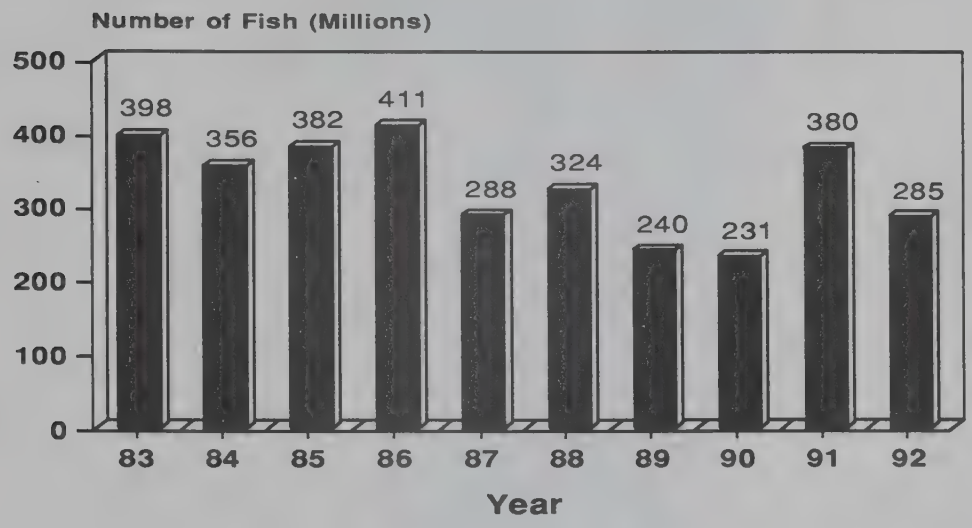
ESTIMATED TOTAL NUMBER OF FISHING TRIPS BY MARINE RECREATIONAL FISHERMEN BY SUBREGION AND MODE OF FISHING: ATLANTIC AND GULF COASTS, JANUARY 1992 - DECEMBER 1992.

Subregion	Shore	Charter Boats	Party/ Charter Boats	Private/ Rental Boats	Total
			Thousands		
North Atlantic.....	3,134	*	295	2,972	6,401
Mid-Atlantic.....	4,116	*	1,132	7,739	12,987
South Atlantic.....	9,111	475	*	7,047	16,633
Gulf of Mexico.....	6,607	395	*	9,028	16,030
Total.....	*22,968*	*870*	*1,427*	*26,786*	*52,051*

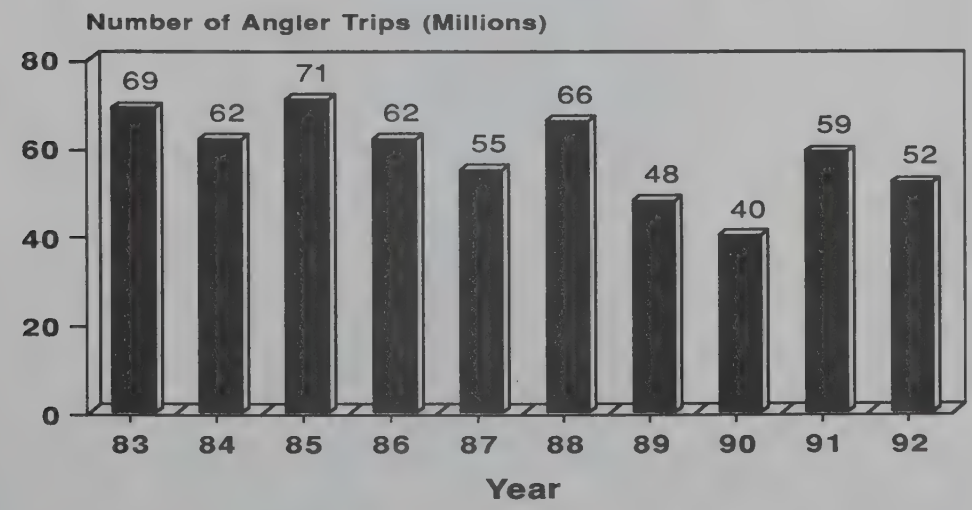
Note:-- A dash (-) denotes less than thirty thousand. However the number is included in row and column totals. An asterisk (*) denotes none reported. Figures for Charter Boats include trips in the South Atlantic and Gulf of Mexico except for trips from Texas only. Figures for Party/Charter Boats are for the North and Mid-Atlantic subregions only. Row and column totals may not add due to rounding.



MARINE RECREATIONAL FISHERIES CATCH ATLANTIC AND GULF COASTS, 1983 - 1992

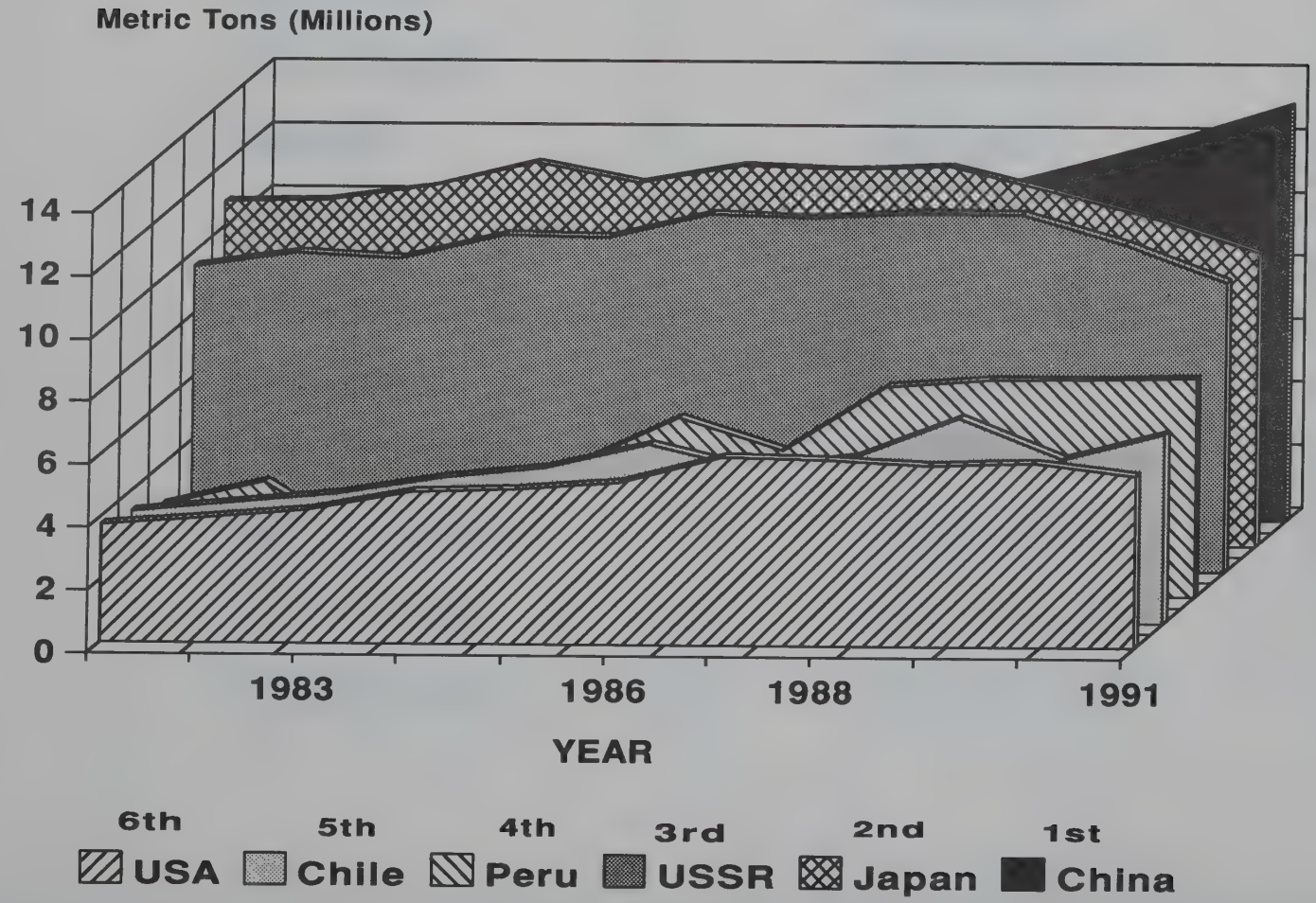


MARINE RECREATIONAL FISHING TRIPS ATLANTIC AND GULF COASTS, 1983 - 1992



Note: 1992 data are provisional.

WORLD COMMERCIAL CATCH BY LEADING COUNTRIES 1981 - 1991



U.S. AND WORLD COMMERCIAL FISH CATCHES, 1956-91

Year	U.S. commercial catch and exvessel value			World commercial catch				
	Published by U.S. (excludes weight of mollusk shells)	Published by FAO (1)	Exvessel value	Freshwater	Marine			Grand total
					Peruvian anchovy	Other (2)	Total	
	Million metric tons Live weight		Billion dollars	Million metric tons Live weight				
1956....	2.4	3.0	0.4	3.5	0.1	27.2	27.3	30.8
1957....	2.2	2.8	0.4	3.9	0.3	27.5	27.8	31.7
1958....	2.2	2.7	0.4	4.5	0.8	28.0	28.8	33.3
1959....	2.3	2.9	0.4	5.1	2.0	29.8	31.8	36.9
1960....	2.2	2.8	0.4	5.6	3.5	31.1	34.6	40.2
1961....	2.4	2.9	0.4	5.7	5.3	32.6	37.9	43.6
1962....	2.4	3.0	0.4	5.8	7.1	31.9	39.0	44.8
1963....	2.2	2.8	0.4	5.9	7.2	33.5	40.7	46.6
1964....	2.1	2.6	0.4	6.2	9.8	35.9	45.7	51.9
1965....	2.2	2.7	0.4	7.0	7.7	38.5	46.2	53.2
1966....	1.9	2.5	0.5	7.3	9.6	40.4	50.0	57.3
1967....	1.8	2.4	0.4	7.2	10.5	42.7	53.2	60.4
1968....	1.9	2.5	0.5	7.4	11.3	45.2	56.5	63.9
1969....	1.9	2.5	0.5	7.6	9.7	45.4	55.1	62.7
1970....	2.2	2.8	0.6	8.4	13.1	46.6	59.7	65.6
1971....	2.3	2.9	0.7	9.0	11.2	48.3	59.5	66.1
1972....	2.2	2.8	0.7	5.7	4.8	53.7	58.5	62.0
1973....	2.2	2.8	0.9	5.7	1.7	55.3	57.0	62.7
1974....	2.3	2.8	0.9	5.8	4.0	56.7	60.7	66.5
1975....	2.2	2.8	1.0	6.2	3.3	56.9	60.2	66.4
1976....	2.4	3.0	1.3	5.9	4.3	59.6	63.9	69.8
1977....	2.4	3.0	1.5	6.1	0.8	62.0	62.8	68.9
1978....	2.7	3.4	1.9	5.8	1.2	63.6	64.8	70.6
1979....	2.8	3.5	2.2	5.9	1.4	63.8	65.2	71.1
1980....	2.9	3.6	2.2	6.2	0.7	65.1	65.8	72.0
1981....	2.7	3.8	2.4	6.6	1.2	67.0	68.2	74.8
1982....	2.9	4.0	2.4	8.5	1.8	66.9	68.7	77.2
1983....	2.9	4.3	2.4	9.3	0.1	68.2	68.3	77.6
1984....	2.9	5.0	2.3	10.0	0.1	73.8	73.9	83.9
1985....	2.8	4.9	2.3	10.7	1.0	74.7	75.7	86.4
1986....	2.7	5.2	2.8	11.7	4.9	76.2	81.1	92.8
1987....	3.1	6.0	3.1	12.7	2.1	79.6	81.7	94.4
1988....	3.3	5.9	3.5	13.4	3.6	82.0	85.6	99.0
1989....	3.8	5.8	3.2	13.8	5.4	81.0	86.4	100.2
1990....	4.3	5.9	3.5	14.6	3.8	79.0	82.8	97.4
1991....	4.3	5.5	3.3	15.2	4.0	77.7	81.7	96.9

(1) Includes U.S.-flag vessel landings at foreign ports, transfer of catches onto foreign vessels within the U.S. EEZ (joint ventures), and the weight of mollusk shells. (2) Includes diadromous fishes including salmon and other anadromous fishes and catadromous fishes such as eels.

Note:--There are 2,204.6 pounds in a metric ton. Prior to 1970, the world commercial catch of whales and seals is excluded. For the years 1970-1991, data for marine mammals and aquatic plants are excluded. There is a revision in the total world commercial catch back to 1970 as published in FAO Yearbook of Fishery Statistics, Vol. 48 and 50. However, prior to 1974, data on freshwater and marine catches were not revised. Therefore, for the years 1970 to 1973, data will not add to the grand total.

Source:--Fishery Statistics of the United States; Fisheries of the United States; Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, Rome; various issues.

WORLD COMMERCIAL CATCH OF FISH, CRUSTACEANS, AND MOLLUSKS, BY COUNTRIES, 1987-91
(DOES NOT INCLUDE MARINE MAMMALS AND AQUATIC PLANTS)

Country	1987(1)	1988(1)	1989(1)	1990(1)	1991
	Thousand metric tons Live weight				
China	9,346	10,358	11,219	12,095	13,134
Japan	11,857	11,966	11,173	10,350	9,306
Former USSR	11,159	11,332	11,310	10,389	9,216
Peru	4,587	6,641	6,853	6,875	6,944
Chile	4,814	5,209	6,454	5,195	6,002
United States (2)	5,986	5,937	5,763	5,858	5,473
India	2,906	3,125	3,640	3,794	4,036
Indonesia	2,583	2,789	2,948	3,043	3,186
Thailand	2,779	2,642	2,699	2,786	3,065
Republic of Korea	2,876	2,728	2,833	2,833	2,515
Philippines	1,988	2,010	2,098	2,208	2,311
Norway	1,949	1,839	1,908	1,711	2,095
Denmark	1,706	1,971	1,927	1,517	1,793
North Korea (3)	1,700	1,700	1,700	1,750	1,700
Canada	1,565	1,610	1,572	1,624	1,529
Mexico	1,419	1,372	1,469	1,400	1,429
Spain	1,524	1,592	1,559	1,450	1,350
Taiwan	1,229	1,353	1,361	1,444	1,307
Iceland	1,632	1,759	1,504	1,508	1,051
Bangladesh	817	829	843	847	892
Vietnam	871	874	868	850	877
France	848	888	909	898	812
Brazil	947	829	850	802	800
Burma	685	704	733	743	769
Argentina	559	493	486	555	640
Malaysia	619	612	609	603	620
New Zealand	419	552	567	559	609
Morocco	494	551	520	565	592
United Kingdom	665	666	588	570	570
Italy	561	576	548	519	548
Pakistan	427	445	446	479	515
South Africa	1,425	1,302	878	536	498
Poland	670	654	564	473	457
Netherlands	446	398	451	459	443
Tanzania	342	392	377	414	400
Ecuador	680	875	739	391	383
Ghana	382	361	361	391	364
Turkey	627	675	457	384	364
Venezuela	297	285	329	332	352
Portugal	389	346	331	321	325
All others	7,604	7,776	7,764	7,913	7,654
Total	*94,379*	*99,016*	*100,208*	*97,434*	*96,926*

(1) Revised.

(2) Includes the weight of clam, oyster, scallop, and other mollusk shells. This weight is not included in U.S. landings statistics shown elsewhere.

(3) Data estimated by FAO.

Note:--Statistics on quantities caught by recreational fishermen in the United States are excluded.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1991, Vol. 72, Rome.

WORLD COMMERCIAL CATCH OF FISH, CRUSTACEANS, AND MOLLUSKS, BY CONTINENT, 1987-91 (DOES NOT INCLUDE MARINE MAMMALS AND AQUATIC PLANTS)

Continent	1987(1)	1988(1)	1989(1)	1990(1)	1991
	Thousand metric tons Live weight				
North America.....	9,617	9,553	9,518	9,520	9,033
South America.....	12,172	14,595	16,001	14,444	15,449
Europe.....	12,756	13,064	12,487	11,423	11,296
Former USSR.....	11,160	11,332	11,310	10,389	9,217
Asia.....	42,557	44,147	44,955	45,532	45,956
Africa.....	5,286	5,359	4,974	5,094	4,877
Oceania.....	792	928	921	950	1,015
Other.....	39	38	42	82	83
Total.....	*94,379*	*99,016*	*100,208*	*97,434*	*96,926*

(1) Revised.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1991; Vol. 72, Rome.

WORLD COMMERCIAL CATCH OF FISH, CRUSTACEANS, AND MOLLUSKS, BY MAJOR FISHING AREAS, 1987-91 (DOES NOT INCLUDE MARINE MAMMALS AND AQUATIC PLANTS)

Area	1987(1)	1988(1)	1989(1)	1990(1)	1991
	Thousand metric tons Live weight				
Marine Areas:					
Pacific Ocean....	49,737	53,440	54,844	53,059	52,137
Atlantic Ocean...	26,525	26,519	25,348	23,559	23,246
Indian Ocean.....	5,435	5,675	6,184	6,194	6,366
Total.....	*81,697*	*85,634*	*86,376*	*82,812*	*81,749*
Inland waters:					
North America....	573	532	538	539	534
South America....	386	357	340	335	330
Europe.....	449	478	477	470	443
Former USSR.....	988	996	1,020	975	1,031
Asia.....	8,580	9,211	9,630	10,360	10,949
Africa.....	1,682	1,784	1,804	1,919	1,868
Oceania.....	24	24	23	24	22
Total.....	*12,682*	*13,382*	*13,832*	*14,622*	*15,177*
Grand total...	*94,379*	*99,016*	*100,208*	*97,434*	*96,926*

(1) Revised.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1991; Vol. 72, Rome.

WORLD COMMERCIAL CATCH OF FISH, CRUSTACEANS, AND MOLLUSKS, BY SPECIES GROUPS, 1987-91, (DOES NOT INCLUDE MARINE MAMMALS AND AQUATIC PLANTS)

Species group	1987(1)	1988(1)	1989(1)	1990(1)	1991
	Thousand metric tons Live weight				
Carps, barbels, cyprinids	4,430	4,877	5,004	5,307	5,394
Cods, hakes, haddocks	13,786	13,636	12,905	11,827	10,467
Flatfish	1,292	1,342	1,204	1,223	1,113
Herrings, sardines, anchovies	22,375	24,387	24,800	22,183	21,406
Jacks, mullets, sauries	8,296	9,128	9,350	9,728	10,077
Mackerel, snoeks, cutlassfishes	3,644	3,862	3,771	3,505	3,480
Redfish, basses, congers	5,713	5,705	5,917	5,656	5,742
River eels	103	116	110	120	121
Salmons, trouts, smelts	1,103	1,174	1,455	1,455	1,638
Shads	808	658	739	646	663
Sharks, rays, chimaeras	668	689	678	690	698
Sturgeons, paddlefish	24	21	19	18	15
Tilapias	658	708	756	852	865
Tunas, bonitos, billfishes	3,644	4,065	4,082	4,373	4,478
Other fishes	15,506	15,956	16,295	17,074	17,523
Crabs	974	1,055	1,167	1,143	1,348
Krill	376	371	396	375	233
Lobsters	229	226	211	216	222
Shrimp	2,365	2,497	2,508	2,575	2,647
Other crustaceans	327	312	320	323	340
Abalones, winkles, conchs	101	100	87	71	68
Clams, cockles, arkshells	1,490	1,465	1,459	1,463	1,540
Mussels	1,135	1,287	1,311	1,321	1,332
Oysters	1,112	1,093	1,041	1,005	1,007
Scallops	739	868	838	877	816
Squids, cuttlefishes, octopus	2,318	2,290	2,722	2,328	2,560
Other mollusks	799	847	751	797	791
Miscellaneous	364	281	312	283	342
Total	*94,379*	*99,016*	*100,208*	*97,434*	*96,926*

(1) Revised.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1991, Vol. 72, Rome.

DISPOSITION OF WORLD COMMERCIAL CATCH, 1987-91 (DOES NOT INCLUDE MARINE MAMMALS AND AQUATIC PLANTS)

Item	1987(1)	1988(1)	1989(1)	1990(1)	1991
	Percent of total				
Marketed fresh	21.0	22.2	21.3	21.4	23.0
Frozen	23.6	23.1	23.4	23.6	25.1
Canned	12.4	12.0	12.1	12.2	13.0
Cured	14.5	14.0	14.1	14.0	11.6
Reduced to meal and oil (2)	27.2	27.4	27.7	27.5	25.9
Miscellaneous purposes	1.3	1.3	1.4	1.3	1.4
Total	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*

(1) Revised.

(2) Only whole fish destined for the manufacture of oils and meals are included. Raw material for reduction derived from fish primarily destined for marketing fresh, frozen, canned, cured, and miscellaneous purposes is excluded; such waste quantities are included under the other disposition channels.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1991, Vol. 73, Rome.

WORLD IMPORTS AND EXPORTS OF SEVEN FISHERY COMMODITY GROUPS, BY LEADING COUNTRIES, 1988-91

Country	1988 (1)	1989 (1)	1990 (1)	1991
	Thousand U.S. dollars			
IMPORTS				
Japan	10,657,717	10,127,471	10,668,292	12,043,577
United States	5,389,345	5,756,927	5,573,221	5,997,616
France	2,243,783	2,193,878	2,809,033	2,925,994
Spain	1,725,879	1,816,160	2,360,655	2,748,305
Italy	1,898,823	1,984,470	2,458,085	2,689,639
Fed. Rep. of Germany	1,428,863	1,479,366	1,899,729	2,114,720
United Kingdom	1,610,006	1,627,924	1,911,161	1,911,905
Hong Kong	1,030,588	988,063	1,111,938	1,236,578
Denmark	852,440	864,219	1,116,108	1,148,255
Thailand	537,918	726,846	794,423	1,049,962
Netherlands	577,895	671,949	843,510	977,450
Belgium	582,893	603,053	753,676	779,104
Portugal	457,133	390,589	606,040	757,843
Canada	593,327	659,238	620,315	675,242
Republic of Korea	314,967	317,091	364,738	568,201
Singapore	370,311	366,126	361,582	460,545
Taiwan	403,227	452,004	425,727	459,566
Sweden	418,409	408,307	449,101	441,095
China	333,251	359,498	207,083	438,090
Other Countries	3,840,055	4,101,242	4,227,027	3,885,230
Total	*35,266,830*	*35,894,421*	*39,561,444*	*43,308,917*
EXPORTS				
United States	2,441,176	2,532,444	3,019,857	3,275,443
Thailand	1,630,891	1,959,426	2,264,937	2,901,366
Denmark	1,852,665	1,745,056	2,165,497	2,302,299
Norway	1,608,071	1,563,496	2,059,784	2,282,247
Canada	2,206,439	2,051,173	2,269,802	2,168,121
Taiwan	1,751,539	1,591,640	1,517,335	1,527,184
Republic of Korea	1,784,068	1,538,408	1,363,296	1,490,616
Netherlands	948,156	1,061,338	1,332,900	1,356,212
Iceland	1,059,371	1,026,990	1,240,299	1,280,006
Chile	804,746	899,949	866,397	1,236,905
Indonesia	664,483	767,422	983,571	1,192,082
China	969,057	1,039,516	1,294,411	1,181,989
United Kingdom	734,093	794,293	961,982	1,121,885
France	730,885	772,724	931,193	925,560
Japan	1,037,341	919,180	807,456	839,200
Former USSR	799,633	718,407	933,448	837,170
Spain	650,542	775,763	743,506	772,651
Fed. Rep. of Germany	494,151	553,257	665,504	715,975
Hong Kong	744,294	708,309	693,755	641,927
Other Countries	8,862,151	9,111,866	9,673,275	9,935,759
Total	*31,773,752*	*32,130,657*	*35,788,205*	*37,984,597*

(1) Revised.

Note:--Data on imports and exports cover the international trade of 176 countries or areas. The total value of exports is consistently less than the total value of imports, probably because charges for insurance, freight, and similar expenses were included in the import value but not in the export value. The seven fishery commodity groups covered by this table are: 1. Fish, fresh, chilled or frozen; 2. Fish, dried, salted, or smoked; 3. Crustaceans and mollusks, fresh, dried, salted,, etc.; 4. Fish products and preparations, whether or not in airtight containers; 5. Crustacean and mollusk products and preparations, whether or not in airtight containers; 6. Oils and fats, crude or refined, of aquatic animal origin; and 7. Meals solubles, and similar animal foodstuffs of aquatic animal origin.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1991, Vol. 73, Rome.

VALUE OF PROCESSED FISHERY PRODUCTS, 1991 AND 1992
(Processed from domestic catch and imported products)

Item	1991 (1)		1992 (1)	
	Thousand dollars	Percent of total	Thousand dollars	Percent of total
Edible:				
Fresh and frozen.....	4,968,352	70.9	5,601,410	74.4
Canned.....	1,439,362	20.5	1,322,276	17.6
Cured.....	185,967	2.7	165,435	2.2
Total edible.....	*6,593,681*	*94.1*	*7,089,121*	*94.2*
Industrial:				
Bait and animal food (canned).....	204,917	2.9	246,929	3.3
Meal, oil, and solubles.....	170,495	2.4	155,059	2.1
Other.....	37,707	0.5	36,715	0.5
Total industrial.	*413,119*	*5.9*	*438,703*	*5.8*
Grand total.....	*7,006,800*	*100.0*	*7,527,824*	*100.0*

(1) Preliminary. May not add due to rounding.

Note:--Value is based on selling price at the plant. Processed Fishery Products, Annual Summary, 1992, Current Fishery Statistics No. 9203 will provide additional information.

FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 1983-92

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 1983-92

YEAR	Fish sticks		Fish portions		Breaded shrimp	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1983.....	86,928	115,556	335,270	410,858	100,106	337,604
1984.....	92,441	109,677	333,212	413,789	94,522	386,222
1985.....	96,239	111,265	330,362	367,734	95,734	369,415
1986.....	87,289	94,290	341,628	393,956	107,834	354,808
1987.....	98,927	*142,946	323,746	*445,631	108,937	358,442
1988.....	80,148	113,868	301,229	438,873	99,471	371,798
1989.....	89,112	116,440	279,777	400,289	120,950	*404,592
1990.....	65,209	74,866	242,775	352,589	110,760	353,265
1991.....	63,286	77,877	204,697	313,400	116,324	335,838
1992.....	58,295	56,020	194,307	296,214	*121,791	348,633

*Record. Records--1973 fish sticks production: 127,156,000 lb; 1973 fish portions production: 396,089,000 lb.

Note:-- Processed Fishery Products, Annual Summary, 1992, Current Fishery Statistics No. 9203 will provide additional information.

FISH FILLETS AND STEAKS

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 1991 AND 1992

Species	1991 (1)		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Fillets:				
Anglerfish	5,669	17,075	5,508	16,138
Bluefish	276	352	409	514
Cod	70,978	179,924	62,239	157,003
Cusk	809	1,953	507	1,216
Dolphin	3,297	10,656	3,274	10,784
Flounders	48,496	146,574	42,545	123,964
Groundfish mixed	7,247	15,688	5,893	14,255
Groupers	2,760	13,503	2,757	13,802
Haddock	7,674	29,537	5,066	19,237
Hake:				
Atlantic	1,306	3,086	1,532	3,195
Pacific	21,644	18,317	1,792	1,297
Halibut	5,003	24,571	5,488	22,885
Lingcod	1,724	3,126	1,408	2,553
Ocean perch:				
Atlantic	418	1,113	1,442	2,954
Pacific	1,173	2,006	770	1,266
Ocean pout	748	843	637	770
Pollock:				
Atlantic	8,106	18,132	9,364	19,259
Alaska	152,215	205,888	124,748	161,065
Rockfishes	22,056	35,590	17,853	28,153
Sablefish	3,352	5,624	2,021	3,839
Salmon	8,340	34,082	7,975	32,582
Sea trout	348	933	130	458
Shark	9,180	11,301	8,993	12,470
Snapper:				
Red	237	1,208	245	1,340
Unclassified	777	4,484	817	4,992
Spanish mackerel	561	481	29	47
Swordfish	3,397	20,659	3,666	19,373
Tuna	4,608	29,632	5,205	27,924
Whitefish	1,548	3,728	1,609	3,830
Wolffish	112	288	81	220
Yellow perch	930	5,421	931	4,765
Yellow pike	129	416	128	400
Unclassified	24,844	60,741	22,652	61,624
Total	*419,962*	*906,932*	*347,714*	*774,174*
Steaks:				
Halibut	9,211	35,415	10,131	31,825
King mackerel	72	149	41	128
Salmon	3,549	10,305	3,630	10,789
Shark	1,517	2,903	1,207	2,087
Swordfish	2,633	13,269	3,031	14,640
Unclassified	35,724	51,586	38,147	84,090
Total	*52,706*	*113,627*	*56,187*	*143,559*
Grand total	*472,668*	*1,020,559*	*403,901*	*917,733*

(1) Revised.

Note:--The following amounts of frozen fish blocks were produced from the fillets reported above: 22,013,999 lb valued at $19,814,260 in 1991, and 38,901,025 lb valued at $56,427,174 in 1992. Final data will be published in Processed Fishery Products, Annual Summary, 1992, Current Fishery Statistics No. 9203.

PROCESSED FISHERY PRODUCTS

CANNED FISHERY PRODUCTS

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 1991 AND 1992

Species	Pounds per case	1991			1992		
		Standard cases	Thousand pounds	Thousand dollars	Standard cases	Thousand pounds	Thousand dollars
For human consumption:							
Fish:							
Herring	23.4	248,740	5,821	8,402	202,599	4,741	6,854
Mackerel	45	194,913	8,771	3,421	108,896	4,900	1,981
Salmon:							
Natural	48	4,078,000	195,744	412,936	3,163,969	151,871	288,503
Specialties	48	5,299	254	1,181	4,886	235	1,323
Sardines, Maine	23.4	597,675	13,986	18,746	745,188	17,437	24,508
Tuna:							
Solid	19.5	5,688,044	110,917	256,982	6,149,180	119,909	302,260
Chunk	19.5	24,603,510	479,768	617,704	25,099,385	489,438	585,412
Flakes	18	116,726	2,101	1,866	(1)	(1)	(1)
Total tuna	--	*30,408,280*	*592,786*	*876,552*	*31,248,565*	*609,347*	*887,672*
Specialties	48	81	4	24	81	4	28
Other	48	326,314	15,663	19,776	346,854	16,649	18,062
Total fish	--	*35,859,302*	*833,029*	*1,341,038*	*35,821,038*	*805,184*	*1,228,931*
Shellfish:							
Clam and clam products: (2)							
Whole and minced	15	2,477,442	37,162	43,425	1,717,938	25,769	34,531
Chowder and juice	30	2,672,477	80,174	31,490	2,889,263	86,678	36,403
Specialties	48	243,895	11,707	9,029	285,131	13,686	13,455
Crabs, natural	19.5	3,961	77	283	3,779	74	514
Lobster meat and specialties	48	17,264	829	615	10,566	507	550
Oyster, specialties	48	31,167	1,496	1,595	-	-	-
Shrimp:							
Natural (3)	6.75	93,675	632	3,837	92,547	625	3,601
Other	48	336,847	16,169	8,050	76,441	3,669	4,291
Total shellfish	--	*5,876,728*	*148,246*	*98,324*	*5,075,665*	*131,008*	*93,345*
Total for human consumption	--	*41,736,030*	*981,275*	*1,439,362*	*40,896,703*	*936,192*	*1,322,276*
For bait and animal food:							
Animal food	48	8,424,080	404,356	204,414	8,473,062	406,707	246,626
Salmon eggs	48	1,761	84	503	3,518	169	303
Total for bait & animal food	*48*	*8,425,841*	*404,440*	*204,917*	*8,476,580*	*406,876*	*246,929*
Grand total	--	*50,161,871*	*1,385,715*	*1,644,279*	*49,373,283*	*1,343,068*	*1,569,205*

(1) Included with chunk.

(2) "Cut out" or "drained" weight of can contents are given for whole or minced clams, and net contents for other clam products.

(3) Drained weight.

Note:--Final figures will be published in Processed Fishery Products, Annual Summary, 1992, Current Fishery Statistics No. 9203.

CANNED FISHERY PRODUCTS

PRODUCTION OF CANNED TUNA, 1991 AND 1992

Item	Pounds per case	1991		1992	
		Thousand standard cases	Thousand dollars	Thousand standard cases	Thousand dollars
Albacore:					
Solid	19.5	5,296	245,520	5,884	295,008
Chunk	19.5	945	35,189	1,509	69,538
Flakes and grated	18	(1)	(1)	-	-
Total	--	*6,241*	*280,709*	*7,393*	*364,546*
Lightmeat:					
Solid	19.5	392	11,462	265	7,252
Chunk	19.5	23,659	582,515	23,590	515,874
Flakes and grated	18	116	1,866	(2)	(2)
Total	--	*24,167*	*595,843*	*23,855*	*523,126*
Grand total	--	*30,408*	*876,552*	*31,248*	*887,672*

(1) Included with lightmeat. (2) Included with chunk.

PRODUCTION OF CANNED SHRIMP, BY AREA, 1991 AND 1992

Area	Pounds per case	1991		1992	
		Thousand standard cases	Thousand dollars	Thousand standard cases	Thousand dollars
Gulf States	6.75	78	3,257	64	2,703
Pacific States	6.75	16	580	29	898
Total	*6.75*	*94*	*3,837*	*93*	*3,601*

PRODUCTION OF CANNED SALMON, 1991 AND 1992

Item	Pounds per case	1991		1992	
		Thousand standard cases	Thousand dollars	Thousand standard cases	Thousand dollars
Chinook	48	2	70	2	345
Chum	48	139	11,115	135	7,329
Pink	48	3,035	255,334	2,076	153,633
Coho	48	35	3,877	34	3,527
Sockeye	48	867	142,540	917	123,669
Total	48	*4,078*	*412,936*	*3,164*	*288,503*

PROCESSED FISHERY PRODUCTS

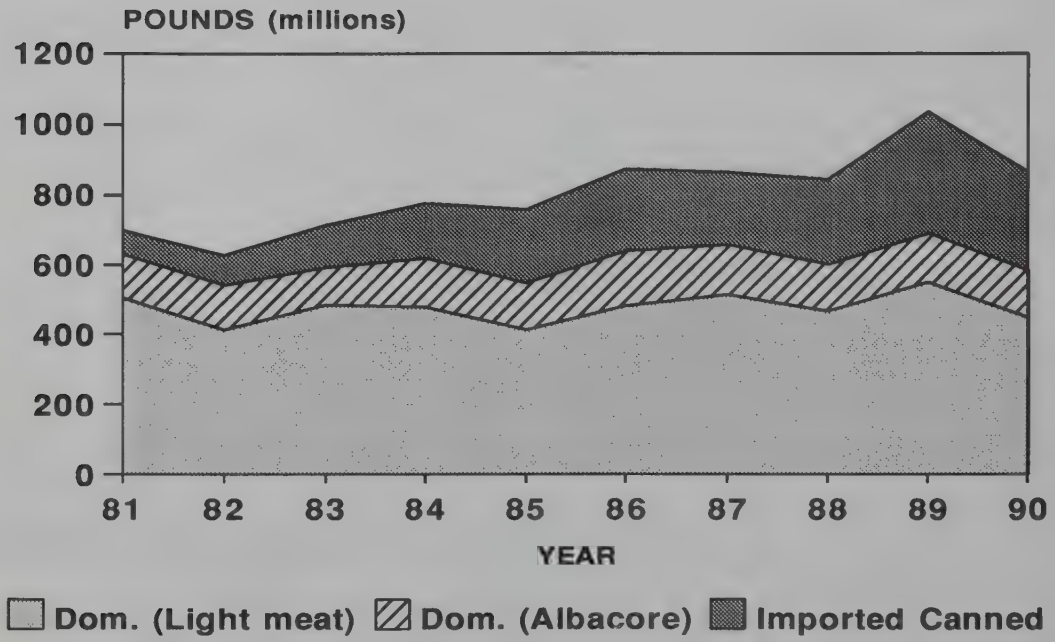
CANNED FISHERY PRODUCTS

PRODUCTION OF CANNED FISHERY PRODUCTS, 1983-92

Year	For human consumption		For animal food and bait		Total	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1983.....	987,329	1,393,604	403,466	140,874	1,390,795	1,534,478
1984.....	1,041,845	1,435,532	369,123	141,931	1,410,968	1,577,463
1985.....	913,078	1,269,311	248,068	91,003	1,161,146	1,360,314
1986.....	1,011,080	1,384,213	320,953	100,377	1,332,033	1,484,590
1987.....	965,012	1,476,484	220,641	85,416	1,185,653	1,561,900
1988.....	908,687	1,388,122	222,920	97,492	1,131,607	1,485,614
1989.....	*1,109,788	1,753,536	345,464	238,343	1,455,252	*1,991,879
1990.....	956,962	1,414,846	221,320	146,947	1,178,282	1,561,793
1991.....	981,275	1,439,362	404,440	204,917	1,385,715	1,644,279
1992.....	936,192	1,322,276	406,876	*246,929	1,343,068	1,569,205

*Record. Records--1981 for human consumption: $1.8 billion lb; 1973 animal food and bait: 696.4 million lb; 1973 total: 1.6 billion lb.

U.S. SUPPLY OF CANNED TUNA (CANNED WEIGHT) 1981 - 1990



INDUSTRIAL PRODUCTS

PRODUCTION OF MEAL, OIL, AND SOLUBLES, 1991 AND 1992

Product	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Dried scrap and meal:				
Fish:				
Menhaden (1).....	465,676	86,368	387,464	72,837
Tuna and mackerel....	66,016	8,918	68,524	10,345
Unclassified.....	67,264	31,867	62,040	35,564
Total.....	***598,956***	***127,153***	***518,028***	***118,746***
Shellfish.....	13,760	978	20,084	1,192
Total, scrap and meal	***612,716***	***128,131***	***538,112***	***119,938***
Solubles, total.....	***169,607***	***12,111***	***93,007***	***8,369***
Body oil:				
Menhaden (1).....	263,506	29,823	177,718	26,402
Unclassified.....	3,839	430	3,181	350
Total, oil.....	***267,345***	***30,253***	***180,899***	***26,752***

(1) May include small quantities made from other species.

Note:--To convert pounds of oil to gallons divide by 7.75. The above data includes production in American Samoa and Puerto Rico. Final data will be published in Processed Fishery Products Annual Summary, 1992, Current Fisheries Statistics 9203.

PRODUCTION OF INDUSTRIAL PRODUCTS, 1983-92

Year	Quantity			Value		
	Meal	Solubles	Marine animal oil	Meal, solubles, and oil	Other industrial products	Grand total
	Thousand pounds			Thousand dollars		
1983.....	763,536	317,006	*399,334	*212,606	39,785	252,391
1984.....	751,528	252,076	372,804	189,796	44,258	234,054
1985.....	721,682	323,028	285,077	144,724	37,775	182,499
1986.....	702,194	195,148	336,708	138,765	36,825	175,590
1987.....	*786,978	249,289	298,496	174,321	37,524	211,845
1988.....	643,796	223,449	224,733	188,843	46,737	235,580
1989.....	618,382	232,709	225,478	156,321	49,756	206,077
1990.....	577,498	185,660	281,949	163,796	42,759	206,555
1991.....	612,716	169,607	267,345	170,495	37,707	208,202
1992.....	538,112	93,007	180,899	155,059	36,715	191,774

*Record. Record--1959 fish solubles production: 330,718,000 lb, 1980 other industrial products $63,525,000 and 1980 grand total $269,606,000.

Note:--Does not include the value of imported items that may be further processed.

U.S. COLD STORAGE HOLDINGS

FROZEN FISHERY PRODUCTS

U.S. COLD STORAGE HOLDINGS OF FISHERY PRODUCTS, 1992

Item	January 31	February 29	March 31	April 30	May 31	June 30
	Thousand pounds					
Blocks:						
Cod	12,584	10,094	6,911	5,959	6,379	6,941
Flounder	667	459	335	515	137	464
Greenland turbot	55	11	16	14	20	20
Haddock	682	1,395	1,394	958	975	889
Ocean perch	469	286	374	364	460	397
Pollock: Alaska	12,706	10,406	9,465	7,476	5,994	5,787
Saithe and other	8,318	7,727	8,684	10,600	10,310	8,681
Whiting	5,251	5,343	5,059	3,496	4,975	4,604
Minced (grated) all species	17,355	19,187	13,822	12,557	10,592	10,622
Unclassified	1,699	1,539	1,077	1,504	1,912	2,726
Total blocks	***59,786***	***56,447***	***47,137***	***43,443***	***41,754***	***41,131***
Fillets and steaks:						
Cod	23,561	20,504	21,432	23,518	23,484	20,662
Flounder	7,084	6,017	5,312	4,475	3,785	4,388
Greenland turbot	961	787	624	457	352	290
Haddock	2,629	2,664	1,814	1,988	2,189	2,409
Halibut	670	747	715	747	779	1,626
Ocean perch	3,362	3,115	2,867	3,499	3,656	3,466
Pollock	20,505	20,251	18,304	17,623	16,758	13,817
Whiting	2,814	2,464	2,213	1,899	2,237	2,648
Unclassified	18,351	15,573	14,460	12,258	12,518	12,433
Total fillets and steaks	***79,937***	***72,122***	***67,741***	***66,464***	***65,758***	***61,739***
Fish sticks and portions (cooked uncooked, all species)	29,016	26,016	25,486	25,569	25,243	23,549
Round, dressed, etc.:						
Catfish	9,828	9,011	9,330	10,595	9,745	10,536
Halibut	14,554	11,591	8,418	6,204	4,024	12,075
Rainbow trout	1,652	1,540	1,485	1,398	1,296	1,194
Salmon	35,334	28,132	24,288	17,817	13,801	10,897
Whiting	1,001	1,203	2,152	2,381	2,872	2,716
Unclassified	24,837	17,177	19,670	23,404	22,252	18,933
Surimi and analog products	12,415	18,728	22,330	22,802	26,750	26,582
Crabs:						
King	2,672	1,945	1,552	1,204	1,356	1,123
Snow	10,856	17,512	19,071	21,769	23,096	22,169
Unclassified	4,012	3,739	4,390	5,532	4,926	3,232
Lobsters (spiny and other)	3,345	2,633	2,552	2,365	1,725	1,963
Scallops	2,129	2,176	1,673	2,445	2,962	3,389
Shrimp:						
Raw, headless	18,947	16,148	14,004	12,967	13,418	11,813
Breaded	6,729	5,740	6,622	6,528	6,191	6,241
Peeled	16,379	14,179	13,264	11,714	12,345	13,025
Unclassified	9,792	6,586	7,390	7,282	6,980	7,687
Total shrimp	***51,847***	***42,653***	***41,280***	***38,491***	***38,934***	***38,766***
Squid	7,855	6,726	6,181	7,189	5,101	3,401
Other shellfish	10,175	10,008	9,550	9,152	8,745	8,963
Bait and animal food	11,159	11,376	13,533	12,409	12,694	12,937
Total fish and shellfish	***372,410***	***340,735***	***327,819***	***320,633***	***313,034***	***305,295***

(Continued on next page)

U.S. COLD STORAGE HOLDINGS

FROZEN FISHERY PRODUCTS

U.S. COLD STORAGE HOLDINGS OF FISHERY PRODUCTS, 1992

Item	July 31	August 31	September 30	October 31	November 30	December 31
			-Thousand pounds-			
Blocks:						
Cod	9,017	8,738	9,584	11,193	12,670	14,145
Flounder	582	548	670	797	904	1,209
Greenland turbot	21	13	15	17	12	67
Haddock	1,317	1,107	1,197	1,147	1,312	1,156
Ocean perch	440	499	339	554	466	294
Pollock: Alaska	8,915	8,778	12,698	14,710	13,629	13,948
Saithe and other	9,506	8,032	7,355	6,763	7,525	8,811
Whiting	3,582	3,933	3,502	3,398	6,396	4,057
Minced (grated) all species	10,358	11,167	9,514	10,086	7,971	10,842
Unclassified	5,188	5,809	4,162	4,342	3,962	4,889
Total blocks	***48,926***	***48,624***	***49,036***	***53,007***	***54,847***	***59,418***
Fillets and steaks:						
Cod	20,882	19,808	16,845	16,876	17,472	17,068
Flounder	6,202	8,200	9,612	9,762	10,606	9,938
Greenland turbot	177	137	103	135	138	1,114
Haddock	2,836	2,334	1,855	2,048	1,765	1,976
Halibut	963	1,180	1,499	1,418	1,366	1,283
Ocean perch	3,602	3,441	3,580	3,240	2,706	2,573
Pollock	16,312	18,276	16,720	14,130	17,308	17,095
Whiting	2,951	3,553	3,339	2,574	2,796	3,022
Unclassified	13,568	14,062	16,249	15,126	19,683	17,365
Total fillets and steaks	***67,493***	***70,991***	***69,802***	***65,309***	***73,840***	***71,434***
Fish sticks and portions (cooked uncooked, all species)	20,743	20,396	18,238	21,073	22,443	21,793
Round, dressed, etc.:						
Catfish	9,465	9,208	9,469	9,450	10,889	12,154
Halibut	14,409	12,630	17,854	19,445	17,629	13,852
Rainbow trout	1,097	835	865	694	911	1,107
Salmon	22,018	54,900	63,460	61,908	55,940	52,558
Whiting	2,548	5,818	5,659	8,163	2,289	4,314
Unclassified	20,008	21,631	21,778	19,483	22,042	21,530
Surimi and analog products	27,418	35,762	39,789	43,042	36,838	34,035
Crabs:						
King	837	947	1,241	2,276	2,322	2,439
Snow	18,879	15962	13,343	11,762	10,540	8,618
Unclassified	3,945	3,956	3,644	2,723	2,451	2,421
Lobsters (spiny and other)	2,485	2,999	2,850	3,285	3,151	3,223
Scallops	3,652	4,120	3,828	3,514	4,287	3,181
Shrimp:						
Raw, headless	13,229	15,304	15,557	15,736	23,398	22,909
Breaded	6,687	6,332	6,195	6,332	6,098	6,136
Peeled	13,723	15,506	14,955	16,055	14,775	14,521
Unclassified	8,761	9,067	9,459	12,200	11,286	9,893
Total shrimp	***42,400***	***46,209***	***46,166***	***50,323***	***55,557***	***53,459***
Squid	2,992	2,768	2,795	2,194	1,774	1,927
Other shellfish	8,809	5,638	5,141	4,196	4,723	3,972
Bait and animal food	12,650	13,132	11,299	8,862	8,620	8,281
Total fish and shellfish	***330,774***	***376,526***	***386,257***	***390,709***	***391,093***	***379,716***

Note:--Holdings of frozen fishery products include domestic and imported fish and shellfish.
Source:--Frozen Fishery Products - Annual Summary, 1992, Current Fishery Statistics No. 9201 will provide additional information.

U.S. Imports of Edible Fishery Products, 1992
(Total Imports $5,705.9 million)

IMPORTS

FISHERY PRODUCTS IMPORTS, BY PRINCIPAL ITEMS, 1991 AND 1992

Item	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Edible fishery products:				
Fresh and frozen:				
Whole or eviscerated:				
Flatfish	29,242	45,911	29,447	42,961
Groundfish	76,698	44,286	64,831	42,406
Salmon	107,203	242,979	103,197	233,890
Tuna:				
Albacore	142,045	125,299	198,125	205,145
Other (1)	353,501	215,903	238,467	148,012
Other	232,428	244,298	245,630	259,251
Fillets and steaks:				
Flatfish	52,229	125,374	48,047	113,777
Groundfish	202,409	400,624	172,755	322,782
Other	185,380	332,906	187,257	362,074
Blocks and slabs	290,485	443,922	229,272	304,121
Surimi	-	-	1,869	2,190
Shrimp	530,230	1,836,002	586,157	1,999,520
Crabmeat	9,244	41,724	11,671	44,126
Lobster:				
American	39,121	146,463	34,065	156,653
Spiny	27,152	273,515	25,955	275,553
Scallops (meats)	29,528	110,633	38,682	159,631
Other fish and shellfish	111,858	229,129	129,551	273,868
Canned:				
Anchovy	6,702	24,369	6,010	20,020
Herring	3,325	2,809	1,903	2,154
Mackerel	19,200	8,039	13,144	6,301
Salmon	983	2,582	974	2,143
Sardines:				
In oil	16,570	28,612	13,164	24,197
Not in oil	31,945	24,882	23,347	20,820
Tuna	351,744	358,889	323,413	308,871
Clams	10,421	9,779	12,050	13,695
Crabmeat	11,385	34,235	9,577	28,381
Lobsters	1,340	11,993	697	6,625
Oysters	12,432	32,075	12,705	36,564
Shrimp	9,361	20,665	9,273	17,913
Balls, cakes, and puddings	8,470	13,570	8,208	14,683
Other fish and shellfish	29,415	69,156	34,811	77,519
Cured:				
Dried	15,212	44,599	16,272	51,221
Pickled or salted	44,857	56,369	41,920	59,525
Smoked or kippered	8,177	24,615	8,675	23,675
Caviar and roe	2,643	14,873	2,972	18,313
Prepared meals	5,734	10,832	3,254	7,238
Other fish and shellfish	6,150	19,976	6,656	20,072
Total edible fishery products	*3,014,819*	*5,671,887*	*2,894,003*	*5,705,890*
Nonedible fishery products:				
Meal and scrap	158,916	31,729	150,911	35,079
Fish oils	21,828	10,675	23,772	12,327
Other	-	3,720,769	-	4,117,972
Total nonedible fishery products	-	*3,763,173*	-	*4,165,378*
Grand total	-	*9,435,060*	-	*9,871,268*

(1) Includes loins and discs.

Note:--Data include imports into the United States and Puerto Rico and landings of tuna by foreign vessels at American Samoa. Statistics on imports are the weight of individual products as exported, i.e., fillets, steaks, whole, headed, etc.

Source:--U.S. Department of Commerce, Bureau of the Census.

IMPORTS

EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 1983-92

Year	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars
1983	2,386,771	3,626,704	1,502,668	5,129,372
1984	2,454,287	3,742,333	2,141,060	5,883,393
1985	2,754,018	4,064,334	2,614,252	6,678,586
1986	2,978,905	4,813,488	2,812,805	7,626,293
1987	3,201,132	*5,711,233	3,106,464	8,817,697
1988	2,967,786	5,441,628	3,430,369	8,871,997
1989	*3,243,017	5,497,849	4,106,507	9,604,356
1990	2,884,596	5,233,167	3,814,513	9,047,680
1991	3,014,819	5,671,887	3,763,173	9,435,060
1992	2,894,003	5,705,890	*4,165,378	*9,871,268

*Record. Source:--U.S. Department of Commerce, Bureau of the Census.

FISHERY PRODUCTS IMPORTS: VALUE, DUTIES COLLECTED, AND AD VALOREM EQUIVALENT, 1983-92

Year	Value		Duties collected		Average ad valorem equivalent	
	Fishery imports	All imports	Fishery imports	All imports	Fishery imports	All imports
	Thousand dollars				Percent	
1983	5,129,372	256,679,524	116,503	9,430,004	2.3	3.7
1984	5,883,393	322,989,519	145,689	12,042,152	2.5	3.7
1985	6,678,586	343,553,150	191,421	13,066,970	2.9	3.8
1986	7,626,293	368,656,594	187,791	13,312,112	2.5	3.6
1987	8,817,697	402,066,002	178,861	13,922,567	2.0	3.5
1988	8,871,995	437,140,185	206,470	15,054,304	2.3	3.4
1989	9,604,356	472,976,600	235,851	16,096,400	2.5	3.4
1990	9,047,680	490,553,800	213,710	16,338,700	2.4	3.3
1991	9,435,060	483,027,900	204,694	16,197,300	2.2	3.4
1992	9,871,268	525,091,414	206,480	17,164,481	2.1	3.3

Source:--U.S. Department of Commerce, Bureau of the Census.

IMPORTS

EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 1992

Continent and Country	Edible		Nonedible	Total
	Thousand pounds	- - - - - -Thousand dollars- - - - - -		
North America:				
Canada	595,295	1,119,555	332,331	1,451,886
Mexico	66,337	249,879	80,452	330,331
Honduras	23,702	91,575	3	91,578
Panama	28,332	68,554	1,705	70,259
Dominican Republic	942	3,424	56,154	59,578
Other	47,766	163,729	14,839	178,568
Total	*762,374*	*1,696,716*	*485,484*	*2,182,200*
South America:				
Ecuador	158,216	424,290	586	424,876
Chile	77,566	139,719	29,979	169,698
Brazil	26,246	99,436	37,642	137,078
Peru	12,318	32,731	44,877	77,608
Argentina	53,072	48,365	12,526	60,891
Other	59,026	107,623	30,436	138,059
Total	*386,444*	*852,164*	*156,046*	*1,008,210*
Europe:				
European Economic Community:				
Italy	655	1,356	1,103,652	1,105,008
France	15,434	8,822	359,924	368,746
Germany	999	1,500	164,589	166,089
United Kingdom	5,866	15,810	108,842	124,652
Denmark	31,414	66,046	23,783	89,829
Other	46,444	66,981	135,005	201,986
Total	*100,812*	*160,515*	*1,895,795*	*2,056,310*
Other:				
Iceland	61,916	143,438	1,509	144,947
Norway	21,769	57,543	12,670	70,213
Switzerland	2	5	58,445	58,450
Russia	27,711	50,158	3,777	53,935
Malta & Gozo	5,389	1,795	35,667	37,462
Other	19,320	31,216	48,764	79,980
Total	*136,107*	*284,155*	*160,832*	*444,987*
Asia:				
Thailand	484,789	892,785	335,018	1,227,803
China	185,776	416,613	39,575	456,188
Japan	74,001	143,122	210,859	353,981
Hong Kong	7,803	13,649	302,122	315,771
Taiwan	141,230	183,021	20,051	203,072
Other	446,281	718,848	508,027	1,226,875
Total	*1,339,880*	*2,368,038*	*1,415,652*	*3,783,690*
Australia and Oceania:				
New Zealand	69,539	152,417	4,070	156,487
Australia	18,281	122,863	15,429	138,292
French Polynesia	468	488	8,203	8,691
Vanuatu	14,917	4,833	-	4,833
Fiji	1,381	3,519	248	3,767
Other	4,111	3,340	920	4,260
Total	*108,697*	*287,460*	*28,870*	*316,330*
Africa:				
Morocco	7,122	15,288	6,270	21,558
South Africa	12,556	15,193	3,955	19,148
Ghana	32,561	14,366	-	14,366
Botswana	-	-	7,734	7,734
Nigeria	2,988	5,168	517	5,685
Other	4,462	6,827	4,223	11,050
Total	*59,689*	*56,842*	*22,699*	*79,541*
Grand total	*2,894,003*	*5,705,890*	*4,165,378*	*9,871,268*

Source:--U.S. Department of Commerce, Bureau of the Census.

IMPORTS

REGULAR AND MINCED FISH BLOCKS AND SLABS IMPORTS, BY SPECIES AND TYPE, 1991 AND 1992

Species and type	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Regular blocks and slabs:				
Cod	110,797	242,629	77,558	157,550
Flatfish	4,694	8,568	5,377	10,270
Haddock	8,631	21,344	8,186	18,258
Ocean Perch	1,340	1,535	1,182	1,311
Pollock	69,068	77,272	82,975	67,251
Whiting	28,214	26,294	18,514	13,513
Other	15,563	25,693	3,714	6,857
Total	*238,307*	*403,335*	*197,506*	*275,010*
Minced blocks and slabs	52,178	40,587	31,766	29,111
Grand total	*290,485*	*443,922*	*229,272*	*304,121*

Source:--U.S. Department of Commerce, Bureau of the Census.

REGULAR AND MINCED FISH BLOCKS AND SLABS IMPORTS, BY COUNTRY OF ORIGIN, 1991 AND 1992

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Canada	94,439	164,767	41,919	70,788
Denmark	31,612	71,779	27,195	56,174
China	19,066	20,689	43,311	35,155
Iceland	21,092	34,937	16,978	31,435
Russia	6,925	7,731	19,460	18,002
Norway	5,571	12,924	6,079	13,210
Thailand	9,879	11,896	13,389	12,182
Republic of Korea	24,643	31,762	13,684	10,921
Argentina	15,646	14,698	13,099	8,516
Other	61,612	72,739	34,158	47,738
Total	*290,485*	*443,922*	*229,272*	*304,121*

Source:--U.S. Department of Commerce, Bureau of the Census.

GROUNDFISH FILLET AND STEAK IMPORTS, BY SPECIES, 1991 AND 1992 (1)

Species	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Cod	95,585	230,436	72,884	174,576
Haddock (2)	53,825	104,520	44,194	78,466
Ocean Perch	52,999	65,668	55,677	69,740
Total	*202,409*	*400,624*	*172,755*	*322,782*

(1) Does not include data on fish blocks and slabs.
(2) Includes some quantities of cusk, hake, and pollock fillets.

Note:--Imports and Exports of Fishery Products Annual Summary, 1992, Current Fishery Statistics No. 9202 will provide additional information.

Source:--U.S. Department of Commerce, Bureau of the Census.

IMPORTS

CANNED TUNA NOT IN OIL, QUOTA AND IMPORTS, 1983-92

Year	Quota (1)	Imports		
		Under quota (2)	Over quota (3)	Total
	Thousand pounds			
1983	91,904	91,904	28,304	120,208
1984	95,587	95,587	68,328	163,915
1985	97,496	97,496	116,854	214,350
1986	81,092	81,092	153,057	234,149
1987	91,539	91,539	123,364	214,903
1988	85,185	85,185	193,784	278,969
1989	76,734	76,734	234,323	311,057
1990	87,158	87,158	171,472	258,630
1991	75,092	75,092	237,236	312,328
1992	73,724	73,724	259,740	333,464

(1) Imports have been subject to tariff quotas since April 14, 1956, and are based on 20 percent of the previous year's domestic pack, excluding the pack in American Samoa.

(2) Dutiable in 1956 to 1967 at 12.5 percent ad valorem; 1968, 11 percent; 1969, 10 percent; 1970, 8.5 percent; 1971, 7 percent; and 1972 to 1992, 6 percent.

(3) Dutiable in 1972 to 1992, 12.5 percent.

Note:--Data in this table will not agree with tuna import data released by the U.S. Department of Commerce, Bureau of the Census. Any tuna entered for consumption or withdrawn from a warehouse for consumption during the calendar year, except for receipts from insular possessions of the U.S., is subject to this quota.

Source:--U.S. Department of the Treasury, U.S. Customs Service.

CANNED TUNA, BY COUNTRY OF ORIGIN, 1991 AND 1992

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Thailand	247,473	252,488	231,832	225,286
Philippines	21,949	18,698	39,547	30,548
Indonesia	47,333	39,946	36,585	26,448
Taiwan	23,306	32,725	10,445	19,024
Malaysia	4,188	6,764	2,781	4,994
Mauritius	-	-	354	565
Spain	101	367	128	504
India	209	181	808	488
Rep. of Korea	152	252	397	311
Other	7,033	7,468	536	703
Total	*351,744*	*358,889*	*323,413*	*308,871*

Source:--U.S. Department of Commerce, Bureau of the Census.

IMPORTS

SHRIMP IMPORTS, BY COUNTRY OF ORIGIN, 1991 AND 1992

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
North America:				
Mexico	36,701	181,923	30,119	146,141
Honduras	12,958	42,016	16,800	53,759
Panama	13,065	47,243	12,107	48,393
El Salvador	4,705	13,887	5,751	15,684
Guatemala	4,888	15,582	4,791	12,806
Canada	7,437	13,618	6,068	11,928
Costa Rica	1,511	6,959	1,208	5,046
Belize	298	1,135	688	2,596
Nicaragua	1,043	3,365	556	1,794
Greenland	349	1,347	566	1,629
Other	458	1,607	415	1,232
Total	*83,413*	*328,682*	*79,069*	*301,008*
South America:				
Ecuador	107,659	362,240	120,592	378,636
Brazil	8,275	23,656	12,135	35,481
Colombia	10,078	36,627	6,159	24,582
Peru	4,754	16,855	6,226	21,798
Venezuela	7,637	27,198	4,064	16,106
Guyana	6,199	16,309	5,518	13,564
Argentina	-	-	980	4,283
Chile	623	2,321	645	2,116
Suriname	242	491	197	617
French Guiana	-	-	2	10
Other	-	-	-	-
Total	*145,467*	*485,697*	*156,518*	*497,193*
Europe:				
European Economic Community:				
Denmark	147	476	733	2,182
Netherlands	149	355	239	397
Belgium	42	120	92	277
United Kingdom	2	9	61	232
Portugal	-	-	18	63
Other	52	279	2	14
Total	*392*	*1,239*	*1,145*	*3,165*
Other:				
Iceland	1,120	5,518	234	1,211
Norway	1,145	3,666	278	849
Faroe Islands	327	934	104	304
Poland	37	29	-	-
Finland	2	15	-	-
Other	39	118	-	-
Total	*2,670*	*10,280*	*616*	*2,364*
Asia:				
Thailand	100,268	432,492	118,733	524,308
China	77,413	219,640	108,973	317,682
Indonesia	25,458	105,823	30,246	121,794
Bangladesh	10,776	36,563	18,395	67,430
India	38,610	67,445	39,013	60,521
Philippines	14,170	57,978	9,759	40,089
Singapore	7,990	26,580	6,831	20,585
Malaysia	7,770	21,221	7,270	16,689
Pakistan	11,654	16,642	6,898	11,158
Taiwan	3,122	13,075	2,202	8,860
Other	6,014	20,429	6,503	17,876
Total	*303,245*	*1,017,888*	*354,823*	*1,206,992*
Australia and Oceania	1,364	7,203	184	1,173
Africa	3,040	5,678	3,075	5,538
Grand total	*539,591*	*1,856,667*	*595,430*	*2,017,433*

Note:--Statistics on imports are the weights of the individual products as exported, i.e., raw headless, peeled, etc.

Source:--U.S. Department of Commerce, Bureau of the Census.

IMPORTS

SHRIMP IMPORTS, BY TYPE OF PRODUCT, 1991 AND 1992

Type of product	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Shell-on (heads off).....	313,496	1,169,268	351,760	1,280,795
Peeled:				
Canned.....	9,361	20,665	9,273	17,913
Not breaded:				
Raw.....	198,568	577,971	215,228	623,920
Other.....	16,993	85,217	17,829	91,014
Breaded.....	1,173	3,546	1,340	3,791
Total.....	*539,591*	*1,856,667*	*595,430*	*2,017,433*

Source:--U.S. Department of Commerce, Bureau of the Census.

FISH MEAL AND SCRAP IMPORTS, BY COUNTRY OF ORIGIN, 1991 AND 1992

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Canada.....	48,204	13,943	55,979	16,867
Chile.....	40,836	7,089	45,860	9,487
Peru.....	54,332	8,834	35,351	6,288
Iceland.....	-	-	6,127	1,295
Panama.....	14,398	1,294	5,500	562
Poland.....	-	-	1,387	307
Argentina.....	324	82	414	117
Norway.....	165	110	134	63
France.....	-	-	95	38
Other.....	657	377	64	55
Total.....	*158,916*	*31,729*	*150,911*	*35,079*

Source:--U.S. Department of Commerce, Bureau of the Census.

U.S. Exports of Edible Fishery Products, 1992
(Total Exports $3,465.7 million)

EXPORTS

FISHERY PRODUCTS EXPORTS, BY PRINCIPAL ITEMS, 1991 AND 1992 (1)

Item	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Edible fishery products:				
Fresh and frozen:				
Whole or eviscerated:				
Flatfish	174,236	137,110	133,184	93,112
Groundfish	222,325	188,057	171,200	141,270
Herring	92,915	62,641	124,930	71,586
Sablefish	41,660	97,993	34,381	79,422
Salmon	256,278	439,047	301,188	684,062
Tuna	17,714	41,542	20,011	35,836
Other	257,551	163,422	318,539	232,380
Fillets, and steaks:				
Cod	8,283	10,504	8,763	10,803
Other	60,803	81,840	43,490	63,512
Blocks and slabs	266,333	359,214	41,588	48,312
Surimi	-	-	237,954	368,290
Fish sticks and like products	40,571	50,074	32,399	47,754
Clams	2,388	3,926	2,586	3,010
Crabs	179,185	424,181	172,422	443,275
Crabmeat	2,388	6,131	2,487	3,886
Lobsters	24,381	100,646	21,905	103,422
Scallops (meats)	7,083	24,266	3,589	14,818
Sea urchins	6,387	13,394	6,636	13,019
Shrimp	39,707	157,112	43,475	159,665
Squid	41,508	28,604	50,798	35,266
Other fish and shellfish	19,746	44,586	22,156	43,969
Canned:				
Salmon	66,134	133,958	77,895	154,462
Sardines	10,668	9,694	12,690	10,786
Tuna	11,310	17,263	10,141	14,161
Abalone	2,549	40,514	2,224	41,610
Crabmeat	525	968	789	2,314
Shrimp	2,352	6,963	1,931	5,914
Squid	10,825	5,326	6,340	2,669
Other fish and shellfish	46,974	62,699	66,380	75,028
Cured:				
Dried	4,354	17,946	5,064	20,455
Pickled or salted	19,319	28,942	10,644	16,629
Smoked or kippered	586	2,103	560	2,543
Caviar and roe:				
Herring	18,845	22,522	6,830	24,114
Pollock	41,843	163,472	39,368	182,471
Salmon	16,402	69,802	19,169	91,406
Other	22,075	122,114	18,866	112,983
Prepared meals	2,859	3,521	2,518	3,418
Other fish and shellfish	19,532	13,674	12,435	8,103
Total edible fishery products	***2,058,594***	***3,155,771***	***2,087,525***	***3,465,735***
Nonedible fishery products:				
Meal and scrap	206,320	59,659	258,511	67,218
Fish oils	254,525	34,773	177,446	29,404
Other	-	3,291,605	-	3,557,345
Total nonedible fishery products	-	***3,386,037***	-	***3,653,967***
Grand total	-	***6,541,808***	-	***7,119,702***

(1) Figures reflect both domestic and foreign (re-exports).

Source:--U.S. Department of Commerce, Bureau of the Census.

FOREIGN TRADE

EXPORTS

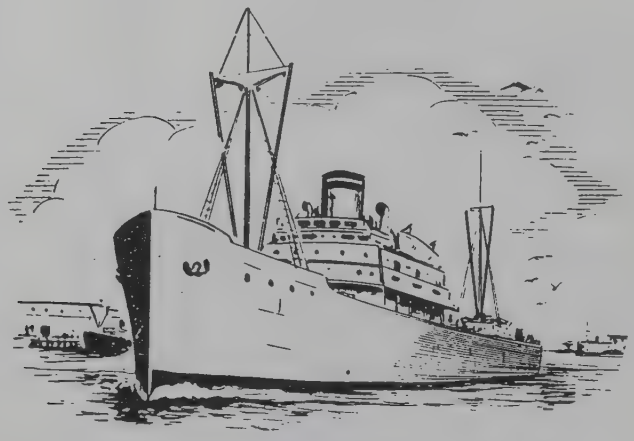
FISHERY PRODUCTS EXPORTS, 1983-92 (1)

Year	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars		
1983	624,058	961,171	116,185	1,077,356
1984	597,865	893,890	107,357	1,001,247
1985	672,537	1,064,289	74,888	1,139,177
1986	754,258	1,325,615	68,193	1,393,808
1987	806,116	1,625,385	96,725	1,722,110
1988	1,085,935	2,213,326	125,061	2,274,595
1989	1,405,977	2,355,603	2,582,538	4,706,842
1990	1,947,292	2,881,262	3,084,677	5,639,075
1991	2,058,594	3,155,771	3,386,037	6,541,808
1992	*2,087,525	*3,465,735	*3,653,967	*7,119,702

(1) Figures reflect both domestic and foreign (re-exports). *Record.

NOTE:--The increase in the nonedible value beginning in 1989 is due to re-examination of commodities that are considered to be based on fishery products including fish, shellfish, aquatic plants and animals and any products thereof, including processed and manufactured products.

Source:--U.S. Department of Commerce, Bureau of the Census.



EXPORTS

EBIBLE AND NONEDIBLE FISHERY PRODUCTS EXPORTS, 1992 (1)

Continent and Country	Edible		Nonedible	Total
	Thousand pounds	- - - - - -Thousand dollars- - - - - -		
North America:				
Canada	191,517	360,431	783,214	1,143,645
Mexico	28,742	50,207	219,068	269,275
Dominican Republic	1,193	1,439	65,316	66,755
Panama	1,531	2,083	61,370	63,453
Netherlands Antilles	1,658	3,053	22,310	25,363
Other	12,593	16,941	100,638	117,579
Total	*237,234*	*434,154*	*1,251,916*	*1,686,070*
South America:				
Venezuela	3,806	1,964	36,768	38,732
Brazil	116	420	34,326	34,746
Argentina	228	420	30,365	30,785
Colombia	566	633	23,104	23,737
Chile	394	727	22,097	22,824
Other	337	930	49,515	50,445
Total	*5,447*	*5,094*	*196,175*	*201,269*
Europe:				
European Economic Community:				
United Kingdom	88,602	145,239	160,529	305,768
France	62,653	107,906	98,760	206,666
Netherlands	14,005	22,752	112,066	134,818
Germany	15,016	19,028	106,064	125,092
Italy	21,167	42,009	75,063	117,072
Other	79,412	97,417	124,372	221,789
Total	*280,855*	*434,351*	*676,854*	*1,111,205*
Other:				
Switzerland	1,259	3,720	208,467	212,187
Sweden	17,000	30,282	13,647	43,929
Russia	50,370	1,874	20,320	22,194
Norway	10,389	13,977	8,013	21,990
Austria	8	37	9,156	9,193
Other	9,490	5,310	23,806	29,116
Total	*88,516*	*55,200*	*283,409*	*338,609*
Asia:				
Japan	1,200,223	2,233,205	435,119	2,668,324
Republic of Korea	185,842	134,346	101,869	236,215
Hong Kong	8,256	45,625	143,148	188,773
Taiwan	12,298	45,764	99,328	145,092
Thailand	18,798	15,380	75,867	91,247
Other	30,687	38,757	281,861	320,618
Total	*1,456,104*	*2,513,077*	*1,137,192*	*3,650,269*
Australia and Oceania:				
Australia	11,085	18,406	68,130	86,536
New Zealand	854	1,319	10,194	11,513
French Polynesia	267	636	1,161	1,797
Fiji	2,774	641	675	1,316
Fed Sts. of Micronesia	175	118	905	1,023
Other	1,168	517	929	1,446
Total	*16,323*	*21,637*	*81,994*	*103,631*
Africa:				
South Africa	1,879	1,689	13,597	15,286
Nigeria	2	8	4,312	4,320
Egypt	248	85	3,011	3,096
Mauritius	-	-	1431	1,431
Ghana	606	158	604	762
Other	311	282	3,472	3,754
Total	*3,046*	*2,222*	*26,427*	*28,649*
Grand total	*2,087,525*	*3,465,735*	*3,653,967*	*7,119,702*

(1) Figures reflect both domestic and foreign (re-exports).

Source:--U.S. Department of Commerce, Bureau of the Census.

FOREIGN TRADE

EXPORTS

SHRIMP PRODUCTS EXPORTS, 1991 AND 1992 (1)

Item	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Fresh and frozen	39,707	157,112	43,475	159,665
Canned	2,352	6,963	1,931	5,914
Total	*42,059*	*164,075*	*45,406*	*165,579*

(1) Figures reflect both domestic and foreign (re-export).
Source:--U.S. Department of Commerce, Bureau of the Census.

FRESH AND FROZEN SHRIMP EXPORTS, BY COUNTRY OF DESTINATION, 1991 AND 1992 (1)

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Canada	26,068	108,990	23,058	92,818
Mexico	7,892	26,644	10,017	33,501
Norway	483	1,930	1,874	5,778
United Kingdom	631	2,333	1,259	3,983
Sweden	211	542	1,280	3,776
Japan	901	3,712	954	3,180
Denmark	205	522	1,259	2,911
Thailand	424	1,516	494	2,293
Honduras	469	1,905	331	1,976
Other	2,423	9,018	2,949	9,449
Total	*39,707*	*157,112*	*43,475*	*159,665*

(1) Figures reflect both domestic and foreign (re-export).
Source:--U.S. Department of Commerce, Bureau of the Census.

CANNED SHRIMP EXPORTS, BY COUNTRY OF DESTINATION, 1991 AND 1992 (1)

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Canada	1,477	4,344	1,062	3,042
Thailand	61	187	296	977
Belgium	25	77	74	389
Hong Kong	186	496	66	369
China	181	624	91	233
Mexico	89	290	78	146
Switzerland	68	341	26	122
Philippines	80	201	44	111
Indonesia	-	-	42	108
Other	185	403	152	417
Total	*2,352*	*6,963*	*1,931*	*5,914*

(1) Figures reflect both domestic and foreign (re-export).
Source:--U.S. Department of Commerce, Bureau of the Census.

EXPORTS

FRESH AND FROZEN SALMON EXPORTS, WHOLE OR EVISCERATED, BY COUNTRY OF DESTINATION, 1991 AND 1992 (1)

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Japan	202,489	354,629	235,698	579,430
France	17,590	26,457	23,830	35,692
Canada	13,398	25,037	13,023	25,941
Denmark	3,395	4,104	6,309	9,101
United Kingdom	5,967	8,368	4,496	6,614
Sweden	4,618	5,218	5,468	6,468
Belgium	1,414	2,978	2,950	5,599
Republic of Korea	1,298	2,566	1,233	2,377
Netherlands	442	872	1,278	1,995
Other	5,667	8,818	6,903	10,845
Total	*256,278*	*439,047*	*301,188*	*684,062*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

CANNED SALMON EXPORTS, BY COUNTRY OF DESTINATION, 1991 AND 1992 (1)

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
United Kingdom	43,258	93,145	50,305	105,368
Australia	6,777	13,483	8,696	16,395
Netherlands	5,995	9,910	7,695	11,439
Canada	4,374	9,070	4,331	10,798
Belgium	888	1,456	1,532	2,435
Japan	200	357	1,564	2,331
Ireland	740	1,105	1,267	1,957
New Zealand	340	547	582	994
Mexico	57	102	301	445
Other	3,505	4,783	1,622	2,300
Total	*66,134*	*133,958*	*77,895*	*154,462*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

EXPORTS

FRESH AND FROZEN CRAB EXPORTS, BY COUNTRY OF DESTINATION, 1991 AND 1992 (1)

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Japan	165,355	393,229	157,349	409,927
China	5,912	10,563	7,508	15,001
Canada	3,404	11,556	4,573	12,059
Republic of Korea	1,899	3,357	1,137	2,552
Thailand	1,553	2,877	868	1,643
Mexico	115	101	171	490
United Kingdom	32	144	46	254
Hong Kong	670	1,313	47	196
Sweden	2	27	337	165
Other	243	1,014	386	988
Total	*179,185*	*424,181*	*172,422*	*443,275*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

FRESH AND FROZEN CRABMEAT EXPORTS, BY COUNTRY OF DESTINATION, 1991 AND 1992 (1)

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Japan	1,012	3,514	760	1,651
Canada	242	731	204	438
France	148	133	366	399
Germany	139	73	337	267
United Kingdom	109	137	147	142
Belgium	110	126	203	129
Bermuda	24	95	25	119
Republic of Korea	14	56	42	115
Spain	79	68	134	103
Other	511	1,198	269	523
Total	*2,388*	*6,131*	*2,487*	*3,886*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

FRESH AND FROZEN HERRING EXPORTS, WHOLE OR EVISCERATED, BY COUNTRY OF DESTINATION, 1991 AND 1992 (1)

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Japan	70,592	55,453	99,120	62,749
Canada	6,547	2,958	9,849	5,833
China	641	507	2,885	1,347
Republic of Korea	5,179	2,846	1,396	1,041
Russia	9,364	465	11,602	517
Dominican Republic	-	-	55	88
Mexico	40	33	23	11
Other	552	379	-	-
Total	*92,915*	*62,641*	*124,930*	*71,586*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

EXPORTS

FISH AND MARINE ANIMAL OIL EXPORTS, BY COUNTRY OF DESTINATION, 1991 AND 1992 (1)

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Netherlands	187,039	22,818	131,321	18,501
Canada	2,816	913	12,980	2,586
Italy	1	7	9,345	2,328
Mexico	23,318	3,565	11,274	1,976
Philippines	-	-	6,020	1,157
Republic of Korea	1,446	1,998	593	977
Hong Kong	-	-	2,213	554
Japan	654	152	701	346
France	448	265	1,107	322
Other	38,803	5,055	1,892	657
Total	*254,525*	*34,773*	*177,446*	*29,404*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

FISH MEAL EXPORTS, BY COUNTRY OF DESTINATION, 1991 AND 1992 (1)

Country	1991		1992	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Taiwan	67,937	18,246	98,601	21,089
Canada	26,737	7,126	56,846	14,915
Japan	65,296	13,176	50,274	10,312
Thailand	805	4,022	1,909	3,477
Mexico	3,477	1,782	9,632	3,311
Indonesia	2,467	1,856	5,174	3,295
China	2,553	759	6,005	2,147
South Africa	838	176	8,280	1,660
Philippines	7,443	1,875	7,002	1,638
Other	28,767	10,641	14,788	5,374
Total	*206,320*	*59,659*	*258,511*	*67,218*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

U.S. SUPPLY OF EDIBLE AND INDUSTRIAL COMMERCIAL FISHERY PRODUCTS, 1983-92
(Round weight)

Year	Domestic commercial landings (1)		Imports (2)		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1983	6,439	52.1	5,913	47.9	12,352
1984	6,438	51.3	6,114	48.7	12,552
1985	6,258	41.3	8,892	58.7	15,150
1986	6,031	42.0	8,337	58.0	14,368
1987	6,896	43.8	8,848	56.2	15,744
1988	7,192	49.2	7,436	50.8	14,628
1989	8,463	54.7	7,022	45.3	15,485
1990	9,404	56.5	6,945	41.7	16,653
1991	9,484	58.0	6,879	42.0	16,363
1992	*9,637	59.8	6,469	40.2	16,106

(1) Preliminary.
(2) Excludes imports of edible fishery products consumed in Puerto Rico, but includes landings of foreign-caught tuna in American Samoa.
*Record. Records--1968 imports: 13 billion lb; 1968 total: 17 billion lb.

Note:--The weights of U.S. landings and imports represent the round (live) weight of all items except univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.) which are shown in weight of meats (excluding the shell).

U.S. SUPPLY OF EDIBLE COMMERCIAL FISHERY PRODUCTS, 1983-92
(Round weight)

Year	Domestic commercial landings (1)		Imports (2)		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1983	3,238	38.5	5,175	61.5	8,413
1984	3,320	39.1	5,178	60.9	8,498
1985	3,294	35.3	6,043	64.7	9,337
1986	3,393	35.3	6,227	64.7	9,620
1987	3,946	37.4	*6,615	0.0	10,561
1988	4,588	43.7	5,917	56.3	10,505
1989	6,204	50.6	6,064	49.4	12,268
1990	7,041	55.6	5,621	44.4	12,662
1991	7,031	54.0	5,989	46.0	13,020
1992	*7,618	57.5	5,624	42.5	*13,242

(1) Preliminary.
(2) Excludes imports of edible fishery products consumed in Puerto Rico, but includes landings of foreign-caught tuna in American Samoa. *Record.

U.S. SUPPLY OF INDUSTRIAL COMMERCIAL FISHERY PRODUCTS, 1983-92
(Round weight)

Year	Domestic commercial landings (1)		Imports		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1983	*3,201	81.3	738	18.7	3,939
1984	3,118	76.9	936	23.1	4,054
1985	2,964	51.0	2,849	49.0	5,813
1986	2,638	55.6	2,110	44.4	4,748
1987	2,950	56.9	2,233	43.1	5,183
1988	2,604	63.2	1,519	36.8	4,123
1989	2,259	70.2	958	29.8	3,217
1990	2,363	64.1	1,324	35.9	3,687
1991	2,453	73.4	890	26.6	3,343
1992	2,019	70.5	845	29.5	2,864

(1) Preliminary. *Record. Records--1968 imports: 9 billion lb; 1968 total: 11 billion lb.

U.S. SUPPLY OF COMMERCIAL FINFISH AND SHELLFISH, 1991 AND 1992

Item	Domestic commercial landings		Imports (1)		Total	
	1991	1992	1991	1992	1991	1992
	Million pounds--round weight					
Edible fishery products:						
Finfish	5,564	6,182	4,622	4,115	10,186	10,297
Shellfish	1,467	1,436	1,367	1,509	2,834	2,945
Total	***7,031***	***7,618***	***5,989***	***5,624***	***13,020***	***13,242***
Industrial fishery products:						
Finfish	2,429	1,992	(2) 890	(2) 845	3,319	2,837
Shellfish	24	27	(3)	(3)	24	27
Total	***2,453***	***2,019***	***(2) 890***	***(2) 845***	***3,343***	***2,864***
Total:						
Finfish	7,993	8,174	5,512	4,960	13,505	13,134
Shellfish	1,491	1,463	1,367	1,509	2,858	2,972
Total	***9,484***	***9,637***	***6,879***	***6,469***	***16,363***	***16,106***

See footnotes below.

VALUE OF U.S. SUPPLY OF COMMERCIAL FINFISH AND SHELLFISH, 1991 AND 1992

Item	Domestic commercial landings		Imports (1)		Total	
	1991	1992	1991	1992	1991	1992
	Million dollars					
Edible fishery products:						
Finfish	1,553	1,878	2,890	2,620	4,443	4,498
Shellfish	1,616	1,654	2,782	3,086	4,398	4,740
Total	***3,169***	***3,532***	***5,672***	***5,706***	***8,841***	***9,238***
Industrial fishery products:						
Finfish	127	135	(2) 32	(2) 35	159	170
Shellfish	12	11	(3)	(3)	12	11
Total	***139***	***146***	***(2) 32***	***(2) 35***	***171***	***181***
Total:						
Finfish	1,680	2,013	2,922	2,655	4,602	4,668
Shellfish	1,628	1,665	2,782	3,086	4,410	4,751
Total	***3,308***	***3,678***	***5,704***	***5,741***	***9,012***	***9,419***

(1) Excludes imports of edible fishery products consumed in Puerto Rico, but includes landings of foreign-caught tuna in American Samoa.
(2) Includes only quantity and value of fish meal.
(3) Not available.

Note:--Value of domestic commercial landings is exvessel value.

U.S. SUPPLY OF REGULAR AND MINCED BLOCKS, 1983-92
(Edible weight)

Year	U.S. Production	Imports	Total	Exports (1)	Total Supply
	Thousand pounds				
1983	5,155	384,458	389,613	(2)	389,613
1984	2,655	316,165	318,820	(2)	318,820
1985	2,551	334,060	336,611	(2)	336,611
1986	3,919	363,897	367,816	(2)	367,816
1987	13,559	403,577	417,136	(2)	417,136
1988	44,602	303,237	347,839	(2)	347,839
1989	30,898	283,278	314,176	35,296	278,880
1990	9,739	264,468	274,207	34,255	239,952
1991	22,013	290,485	312,498	14,502	297,996
1992	38,901	229,272	268,173	41,588	226,585

(1) For the period 1989-1991 data is estimated based on removal of surimi which was included in the export classification. (2) Not reported.

U.S. SUPPLY OF ALL FILLETS AND STEAKS, 1983-92
(Edible weight)

Year	U.S. Production (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
1983	230,649	439,716	670,365	33,716	636,649
1984	252,288	473,594	725,882	31,281	694,601
1985	245,525	536,725	782,250	25,742	756,508
1986	279,468	538,532	818,000	49,534	768,466
1987	356,081	620,985	977,066	66,036	911,030
1988	378,236	517,709	895,945	100,301	795,644
1989	371,082	517,620	888,702	68,931	819,771
1990	440,692	458,413	899,105	51,599	847,506
1991	472,668	440,018	912,686	69,086	843,600
1992	403,901	408,059	811,960	52,253	759,707

(1) Includes fillets used to produce blocks.

U.S. SUPPLY OF GROUNDFISH FILLETS AND STEAKS, 1983-92
(Edible weight)

Year	U.S. Production (1)	Imports	Total	Exports (2)	Total Supply
	Thousand pounds				
1983	82,656	298,170	380,826	(3)	380,826
1984	102,142	307,852	409,994	(3)	409,994
1985	93,292	305,690	398,982	(3)	398,982
1986	133,552	287,099	420,651	10,712	409,939
1987	199,743	315,418	515,161	12,341	502,820
1988	206,786	253,187	459,973	14,417	445,556
1989	211,498	265,001	476,499	9,652	466,847
1990	258,809	200,980	459,789	6,944	452,845
1991	264,323	202,409	466,732	34,442	432,290
1992	207,460	172,755	380,215	18,243	361,972

(1) Includes fillets used to produce blocks. Species include: cod, cusk, haddock, hake, pollock, and ocean perch. (2) Species include: cod 1986-92; pollock 1991-92. (3) Not reported.

U.S. COMMERCIAL LANDINGS AND IMPORTS OF TUNA, 1983-92
(Thousand pounds)

Year	Domestic commercial landings			Imports		
	Atlantic, Gulf Pacific Coast States, and Hawaii	Puerto Rico and American Samoa (1)	Total	Fresh and frozen including cooked loins and discs (2)	Canned	
					In oil	Not in oil
	(Round weight)				Product weight	
1983	278,692	307,298	585,990	533,686	197	122,132
1984	211,830	371,089	582,919	497,079	277	162,036
1985	83,054	433,083	516,137	482,742	303	213,645
1986	87,811	469,034	556,845	567,524	301	236,320
1987	100,058	526,186	626,244	578,883	329	211,356
1988	111,349	497,975	609,324	557,488	318	244,186
1989	89,413	452,050	541,463	664,302	422	347,790
1990	62,393	451,410	513,803	564,322	423	284,170
1991	35,695	484,168	519,863	629,846	344	351,400
1992	56,803	520,579	577,382	546,201	302	323,111

(1) Includes a quantity of fish landed at other ports by U.S.-flag vessels.

U.S. SUPPLY OF CANNED TUNA, 1983-92
(Canned weight)

Year	Domestic production		Imports	Total	Exports	Total supply
	Albacore	Lightmeat				
	Thousand pounds					
1983	106,175	484,367	122,329	712,871	(1)	712,871
1984	136,745	477,536	162,313	776,594	(1)	776,594
1985	132,001	412,992	213,948	758,941	(1)	758,941
1986	157,341	479,490	236,621	873,452	(1)	873,452
1987	139,888	514,095	211,685	865,668	(1)	865,668
1988	131,114	467,067	244,504	842,685	(1)	842,685
1989	137,284	548,983	348,212	1,034,479	6,495	1,027,984
1990	131,879	448,722	284,593	865,194	9,039	856,155
1991	121,700	471,086	351,744	944,530	11,310	933,220
1992	144,164	465,183	323,413	932,760	10,141	922,619

(1) Not reported. Record--1978 U.S.Pack: 704,793,000 lb.

U.S. SUPPLY OF CANNED SARDINES, 1983-92
(Canned weight)

Year	U.S. pack	Imports			Exports	Total supply
		In oil	Not in oil	Total		
	Thousand pounds					
1983.....	13,110	17,151	18,096	48,357	1,933	46,424
1984.....	14,650	17,535	27,216	59,401	1,749	57,652
1985.....	20,016	23,009	34,213	77,238	1,099	76,139
1986.....	15,601	22,949	30,315	68,865	558	68,307
1987.....	13,116	27,352	37,670	78,138	1,157	76,981
1988.....	18,611	22,813	30,546	71,970	8,717	63,253
1989.....	13,221	21,771	34,608	69,600	9,070	60,530
1990.....	13,240	18,660	38,303	70,203	9,048	61,155
1991.....	13,986	16,570	31,945	62,501	10,668	51,833
1992.....	17,437	13,164	23,347	53,948	12,690	41,258

U.S. SUPPLY OF CANNED SALMON, 1983-92
(Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
	Thousand pounds				
1983.....	181,166	277	181,443	54,910	126,533
1984.....	198,926	551	199,477	49,208	150,269
1985.....	158,943	1,958	160,901	48,279	112,622
1986.....	141,756	4,622	146,378	59,434	86,944
1987.....	105,206	6,652	111,858	36,108	75,750
1988.....	88,419	3,528	91,947	32,993	58,954
1989.....	197,044	2,943	199,987	40,497	159,490
1990.....	196,383	1,378	197,761	49,546	148,215
1991.....	195,744	983	196,727	66,134	130,593
1992.....	151,871	974	152,845	77,895	74,950

U.S. SUPPLY OF CLAM MEATS, 1983-92
(Meat weight)

Year	U.S. commercial landings				Imports (1)	Total	Exports	Total supply
	Hard	Soft	Surf	Other				
	Thousand pounds							
1983.....	14,186	8,460	55,938	36,821	11,006	126,411	(2)	126,411
1984.....	14,749	7,919	70,243	40,010	11,113	144,034	(2)	144,034
1985.....	16,697	7,865	72,520	53,469	12,979	163,530	971	162,559
1986.....	11,793	5,887	78,749	48,964	16,880	162,273	1,243	161,030
1987.....	11,418	7,469	60,744	54,726	17,641	151,998	1,157	150,841
1988.....	12,371	6,814	63,545	49,010	14,872	146,612	1,458	145,154
1989.....	9,278	6,829	67,072	54,987	13,254	151,420	1,863	149,557
1990.....	9,833	5,756	71,772	51,837	15,830	155,028	2,961	152,067
1991.....	12,311	4,225	66,219	51,488	12,291	146,534	2,948	143,586
1992.....	12,346	3,937	74,584	51,582	14,262	156,711	1,662	155,049

(1) Imports and exports were converted to meat weight by using these conversion factors: 0.40, in shell or shucked; 0.30 canned chowder and juice; and 0.93, other. (2) Not reported.

U.S. SUPPLY OF KING CRAB, 1983-92
(Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (1)	Total supply
	Thousand pounds				
1983	25,581	(2)	25,581	2,447	23,134
1984	17,204	(2)	17,204	4,359	12,845
1985	15,363	(2)	15,363	4,814	10,549
1986	25,909	(2)	25,909	7,215	18,694
1987	29,065	(2)	29,065	15,039	14,026
1988	20,973	(2)	20,973	10,554	10,419
1989	26,391	5,150	31,541	(3) 13,196	18,345
1990	33,917	4,925	38,842	(3) 19,486	19,356
1991	28,140	7,087	35,227	15,320	19,907
1992	19,056	11,958	31,014	16,241	14,773

(1) Imports, exports, foreign exports converted to round (live) weight by using these conversion factors: frozen, 1.75; meat, 4.50; and canned, 5.33 (2) Not reported. (3) Estimated, based on available foreign import data.

U.S. SUPPLY OF SNOW (TANNER) CRABS, 1983-92
(Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (2)	Total supply
	Thousand pounds				
1983	61,077	3,362	64,439	34,486	29,953
1984	48,765	4,992	53,757	31,348	22,409
1985	85,742	6,572	92,314	47,615	44,699
1986	110,000	5,510	115,510	67,057	48,453
1987	113,812	7,706	121,518	92,644	28,874
1988	146,326	6,765	153,091	122,741	30,350
1989	164,643	3,927	168,570	(3) 111,028	57,542
1990	213,395	10,772	224,167	(3) 187,069	37,098
1991	357,122	19,091	376,213	(3) 316,162	60,051
1992	350,039	18,882	368,921	281,214	87,707

(1) Converted to round (live) weight by multiplying canned weight by 5.00; fresh and frozen, 1.50; and meat, 4.50. (2) Domestic merchandise converted to round (live) weight by multiplying frozen weight by 2.13 (belived to be mostly sections); meat, 4.50; and canned, 5.33. Foreign exports converted using the same factors as imports. (3) Estimated, based on available foreign import data.

U.S. SUPPLY OF CANNED CRABMEAT, 1983-92
(Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
	Thousand pounds				
1983	1,435	6,505	7,940	74	7,866
1984	1,084	6,233	7,317	126	7,191
1985	553	7,584	8,137	141	7,996
1986	591	8,778	9,369	50	9,319
1987	200	7,967	8,167	63	8,104
1988	359	7,720	8,079	250	7,829
1989	504	8,280	8,784	930	7,854
1990	695	8,563	9,258	434	8,824
1991	77	11,385	11,462	525	10,937
1992	74	9,577	9,651	789	8,862

U.S. SUPPLY OF AMERICAN LOBSTERS,1983-92
(Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (2)	Total supply
	Thousand pounds				
1983	44,206	48,449	92,655	(3)	92,655
1984	43,967	56,268	100,235	(3)	100,235
1985	46,152	61,666	107,818	(3)	107,818
1986	46,053	67,293	113,346	(3)	113,346
1987	45,558	70,207	115,765	(3)	115,765
1988	48,643	72,638	121,281	(3)	121,281
1989	52,926	42,530	95,456	10,310	85,146
1990	61,017	49,592	110,609	15,274	95,335
1991	63,337	65,381	128,718	21,485	107,233
1992	55,841	59,335	115,176	20,332	94,844

(1) Only imports from Canada and St. Pierre and Miquelon are considered American lobster and were converted to round (live) by using these conversion factors: 1.00, Whole; 4.50, meat; and 4.64, canned. (2) Domestic exports converted to live weight by 1.00, whole; 4.00, meat; and 4.50, canned. Foreign exports converted using import factors. (3) Not reported.

U.S. SUPPLY OF SPINY LOBSTERS,1983-92
(Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (2)	Total supply
	Thousand pounds				
1983	5,218	131,690	136,908	(3)	136,908
1984	6,303	147,069	153,372	(3)	153,372
1985	5,311	148,577	153,888	(3)	153,888
1986	6,775	145,097	151,872	(3)	151,872
1987	5,755	145,706	151,461	(3)	151,461
1988	7,166	132,071	139,237	(3)	139,237
1989	8,125	87,793	95,918	6,373	89,545
1990	7,120	88,426	95,546	6,948	88,598
1991	7,096	81,332	88,428	3,388	85,040
1992	4,872	77,848	82,720	2,001	80,719

(1) Imports were converted to round (live) weight by using these conversion factors: 1.00, whole; 3.00, tails; 4.35, other; and 4.50 canned. (2) Domestic exports converted to round weight by using: 1.00, whole; 3.00, tails, 4.00, meat; 4.50, canned. Foreign exports converted using import factors. (3) Not reported.

U.S. SUPPLY OF OYSTERS, 1983-92
(Meat weight)

Year	U.S. commercial landings		Imports (2)	Total	Export	Total supply
	Eastern	Pacific (1)				
	Thousand pounds					
1983	46,706	7,342	30,775	84,823	(3)	84,823
1984	46,035	8,739	36,086	90,860	(3)	90,860
1985	43,085	7,796	45,926	96,807	(3)	96,807
1986	39,140	9,629	50,038	98,807	(3)	98,807
1987	29,957	9,850	52,085	91,892	(3)	91,892
1988	23,916	7,976	46,414	78,306	(3)	78,306
1989	21,398	7,852	37,662	66,912	1,090	65,822
1990	18,395	10,798	27,546	56,739	1,004	55,735
1991	21,933	9,926	15,674	47,533	739	46,794
1992	29,654	6,502	14,891	51,047	797	50,250

(1) Includes Western and Eastern oyster landings for Washington and California. (2) Imports and exports were converted to meat weight by using these conversion factors: 0.93, canned; 3.12, canned smoked; and 0.75, other. (3) Not reported.

U.S. SUPPLY OF SCALLOP MEATS, 1983-92
(Meat weight)

Year	U.S. commercial landings			Imports	Total	Exports	Total supply
	Bay	Calico	Sea				
	Thousand pounds						
1983	2,338	9,606	20,478	34,280	66,702	(1)	66,702
1984	1,728	39,330	18,427	27,270	86,755	(1)	86,755
1985	1,331	12,513	15,829	42,035	71,708	1,116	70,592
1986	735	1,616	19,992	47,916	70,259	1,205	69,054
1987	580	8,155	32,038	39,934	80,707	1,343	79,364
1988	569	11,868	30,557	32,039	75,033	1,369	73,664
1989	274	6,580	33,757	40,874	81,485	2,498	78,987
1990	539	1,135	39,917	39,839	81,430	7,099	74,331
1991	438	(2)	39,302	29,528	69,268	7,083	62,185
1992	356	(2)	33,528	38,682	72,566	3,589	68,977

(1) Not reported
(2) Confidential data.

U.S. SUPPLY OF ALL FORMS OF SHRIMP, 1983-92
(Heads-off weight)

Year	U.S. Commercial landings (3)	Imports (2)	Total	Exports (1)		Total supply
				Fresh and frozen	Canned	
	Thousand pounds					
1983....	155,591	421,179	576,770	28,336	7,601	540,833
1984....	188,132	422,340	610,472	21,030	5,561	583,881
1985....	207,239	452,232	659,471	23,443	3,497	632,531
1986....	244,409	492,005	736,414	26,198	4,252	705,964
1987....	223,514	583,030	806,544	28,885	4,928	772,731
1988....	203,350	598,210	801,560	30,280	4,504	766,776
1989....	215,825	563,523	779,348	31,715	4,341	743,292
1990....	213,899	579,427	793,326	54,186	5,497	733,643
1991....	198,115	632,775	830,890	82,325	4,861	743,704
1992....	207,086	694,252	901,338	77,672	3,932	819,734

(1) Exports were converted to heads-off weight by using these conversion factors: domestic--fresh and frozen, 1.18; other, 2.40; and canned, 2.02; foreign--fresh and frozen, 1.00; canned, 2.52; and other, 2.40.
(2) Imports were converted to heads-off weight by using these conversion factors: breaded, 0.63; shell-on, 1.00; peeled raw, 1.28; canned, 2.52; and other, 2.40.
(3) Commercial landings were converted to heads-off weight by using these conversion factors: South Atlantic and Gulf, 0.629; and New England, Pacific and other, 0.57.

U.S. SUPPLY OF CANNED SHRIMP, 1983-92
(Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
	Thousand pounds				
1983.....	6,723	13,176	19,899	3,760	16,139
1984.....	7,246	13,580	20,826	2,745	18,081
1985.....	4,001	17,088	21,089	1,698	19,391
1986.....	4,596	15,757	20,353	2,077	18,276
1987.....	4,382	17,132	21,514	2,419	19,095
1988.....	4,476	14,138	18,614	2,187	16,427
1989.....	2,623	11,315	13,938	2,128	11,810
1990.....	710	9,735	10,445	2,670	7,775
1991.....	632	9,361	9,993	2,352	7,641
1992.....	625	9,272	9,897	1,931	7,966

U.S. SUPPLY OF FISH MEAL AND SOLUBLES, 1983-92
(Product weight)

Year	Domestic production (1)	Imports (2)	Total	Exports	Total supply
	Thousand pounds				
1983	922,040	135,880	1,057,920	161,682	896,238
1984	877,566	166,888	1,044,454	41,590	1,002,864
1985	883,196	510,654	1,393,850	69,974	1,323,876
1986	799,826	370,548	1,170,374	77,972	1,092,402
1987	911,622	393,730	1,305,352	104,086	1,201,266
1988	755,520	265,310	1,020,830	153,946	866,884
1989	734,736	171,112	905,848	107,350	798,498
1990	670,328	239,426	909,754	141,888	767,866
1991	697,520	158,916	856,436	206,320	650,116
1992	584,616	150,911	735,527	258,511	477,016

(1) Includes shellfish meal production plus the production of U.S. solubles. (2) Data do not include imports of fish solubles.

Note:--Wet weight of solubles has been converted to dry weight by reducing its poundage by one-half.

U.S. SUPPLY OF FISH MEAL, 1983-92
(Product weight)

Year	Domestic production (1)	Imports	Total	Exports	Total supply
	Thousand pounds				
1983	763,536	135,880	899,416	161,682	737,734
1984	751,528	166,888	918,416	41,590	876,826
1985	721,682	510,654	1,232,336	69,974	1,162,362
1986	702,194	370,548	1,072,742	77,972	994,770
1987	786,978	393,730	1,180,708	104,086	1,076,622
1988	643,796	265,310	909,106	153,946	755,160
1989	618,382	171,112	789,494	107,350	682,144
1990	577,498	239,426	816,924	141,888	675,036
1991	612,716	158,916	771,632	206,320	565,312
1992	538,112	150,911	689,023	258,511	430,512

(1) Includes shellfish meal. *Record. Records--1968 imports: 1,710,570,000 lb; 1968 total supply 2,180,842,000 lb.

U.S. SUPPLY OF FISH OILS, 1983-92

Year	Domestic production	Imports	Total	Exports	Total supply
	Thousand pounds				
1983	399,334	15,334	414,668	404,088	10,580
1984	372,804	13,426	386,230	399,427	(1)
1985	285,077	17,254	302,331	279,107	23,224
1986	336,708	19,212	355,920	192,218	163,702
1987	298,496	25,697	324,193	249,246	74,947
1988	224,733	27,667	252,400	150,002	102,398
1989	225,478	25,449	250,927	198,009	52,918
1990	281,949	36,702	318,651	236,589	82,062
1991	267,345	21,828	289,173	254,525	34,648
1992	180,899	23,772	204,671	177,446	27,225

(1) The 1984 exports, which included prior year stocks, exceed domestic production plus imports.

PER CAPITA

U.S. CONSUMPTION

Annual per capita consumption of seafood products represents the pounds of edible meat consumed from domestically-caught and imported fish and shellfish adjusted for beginning and ending inventories, and exports, divided by the civilian population of the United States as of July 1 of each year.

U.S. ANNUAL PER CAPITA CONSUMPTION OF COMMERCIAL FISH AND SHELLFISH, 1909-92

Year	Civilian resident population July 1 (1)	Per capita consumption			
		Fresh and frozen (2)	Canned (3)	Cured (4)	Total
	Million persons	Pounds, edible meat			
1909 (5)	90.5	4.3	2.7	*4.0	11.0
1910	92.2	4.5	2.8	3.9	11.2
1911	93.9	4.8	2.8	3.7	11.3
1912	95.3	5.0	2.9	3.4	11.3
1913	97.2	5.3	2.9	3.3	11.5
1914	99.1	5.6	3.0	3.1	11.7
1915	100.5	5.8	2.4	3.0	11.2
1916	102.0	6.0	2.2	2.8	11.0
1917	103.3	6.2	2.0	2.7	10.9
1918	103.2	6.4	2.0	2.5	10.9
1919	104.5	6.4	2.8	2.4	11.6
1920	106.5	6.3	3.2	2.3	11.8
1921	108.5	6.2	2.2	2.1	10.5
1922	110.0	6.1	3.2	2.0	11.3
1923	111.9	6.0	2.9	1.8	10.7
1924	114.1	6.1	3.2	1.7	11.0
1925	115.8	6.3	3.2	1.6	11.1
1926	117.4	6.6	3.4	1.4	11.4
1927	119.0	7.0	3.9	1.3	12.2
1928	120.5	7.1	3.9	1.1	12.1
1929	121.8	6.9	3.9	1.1	11.9
1930	122.9	5.8	3.4	1.0	10.2
1931	123.9	4.9	3.2	0.7	8.8
1932	124.7	4.3	3.4	0.7	8.4
1933	125.4	4.2	3.9	0.6	8.7
1934	126.2	4.3	4.2	0.7	9.2
1935	127.1	5.1	4.7	0.7	10.5
1936	127.9	5.2	*5.8	0.7	11.7
1937	128.6	5.6	5.3	0.9	11.8
1938	129.6	5.2	4.8	0.8	10.8
1939	130.7	5.3	4.7	0.7	10.7
1940	132.1	5.7	4.6	0.7	11.0
1941	132.1	6.3	4.2	0.7	11.2
1942	131.4	5.2	2.9	0.6	8.7
1943	128.0	5.5	1.8	0.6	7.9
1944	127.2	5.5	2.6	0.6	8.7
1945	128.1	6.6	2.6	0.7	9.9
1946	138.9	5.9	4.2	0.7	10.8
1947	143.1	5.8	3.8	0.7	10.3
1948	145.7	6.0	4.4	0.7	11.1
1949	148.2	5.8	4.5	0.6	10.9
1950	150.8	6.3	4.9	0.6	11.8
1951	151.6	6.3	4.3	0.6	11.2
1952	153.9	6.2	4.3	0.7	11.2
1953	156.6	6.4	4.3	0.7	11.4
1954	159.7	6.2	4.3	0.7	11.2
1955	163.0	5.9	3.9	0.7	10.5
1956	166.1	5.7	4.0	0.7	10.4
1957	169.1	5.5	4.0	0.7	10.2
1958	172.2	5.7	4.3	0.6	10.6
1959	175.3	5.9	4.4	0.6	10.9
1960	178.1	5.7	4.0	0.6	10.3
1961	181.1	5.9	4.3	0.5	10.7
1962	183.7	5.8	4.3	0.5	10.6
1963	186.5	5.8	4.4	0.5	10.7
1964	189.1	5.9	4.1	0.5	10.5
1965	191.6	6.0	4.3	0.5	10.8
1966	193.4	6.1	4.3	0.5	10.9
1967	195.3	5.8	4.3	0.5	10.6
1968	197.1	6.2	4.3	0.5	11.0
1969	199.1	6.6	4.2	0.4	11.2

U.S. ANNUAL PER CAPITA CONSUMPTION OF COMMERCIAL FISH AND SHELLFISH, 1909-92 - Continued

Year	Civilian resident population July 1 (1)	Per capita consumption			
		Fresh and frozen (2)	Canned (3)	Cured (4)	Total
	Million persons	Pounds, edible meat			
1971	204.9	6.7	4.3	0.5	11.5
1972	207.5	7.1	4.9	0.5	12.5
1973	209.6	7.4	5.0	0.4	12.8
1974	211.6	6.9	4.7	0.5	12.1
1975	213.8	7.5	4.3	0.4	12.2
1976	215.9	8.2	4.2	0.5	12.9
1977	218.1	7.7	4.6	0.4	12.7
1978	220.5	8.1	5.0	0.3	13.4
1979	223.0	7.8	4.8	0.4	13.0
1980	225.6	7.9	4.3	0.3	12.5
1981	227.8	7.8	4.6	0.3	12.7
1982	230.0	7.9	4.3	0.3	12.5
1983	232.1	8.4	4.7	0.3	13.4
1984	234.1	9.0	4.9	0.3	14.2
1985	236.2	9.8	5.0	0.3	15.1
1986	238.4	9.8	5.4	0.3	15.5
1987	240.6	*10.7	5.2	0.3	*16.2
1988	242.8	10.0	4.9	0.3	15.2
1989	245.1	10.2	5.1	0.3	15.6
1990	247.8	9.6	5.1	0.3	15.0
1991	250.5	9.7	4.9	0.3	14.9
1992	253.5	9.9	4.6	0.3	14.8

(1) Resident population for 1909 to 1929 and civilian resident population for 1930 to date. Population estimates for the years 1980 to 1991 are revised to reflect changes between the 1980 and 1990 decennial population enumeration. Changes did not significantly alter pounds consumed per capita.
(2) Fresh and frozen fish consumption from 1910 to 1928 is estimated. Beginning in 1973, data include consumption of artificially cultivated catfish. Domestic landings used in calculating consumption are preliminary after 1977.
(3) Canned fish consumption for 1911 to 1920 is estimated. Beginning in 1921, it is based on production reports, packer stocks, and foreign trade statistics for individual years.
(4) Cured fish consumption for 1910 to 1928 is estimated.
(5) Data for 1909 estimate based on the 1908 census and foreign trade data.
*Record.

PER CAPITA

U.S. CONSUMPTION

U.S. ANNUAL PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS, 1972-92

Year	Salmon	Sardines	Tuna	Shellfish	Other	Total
	Pounds					
1972	0.7	0.4	2.9	0.5	0.4	4.9
1973	0.4	0.5	3.1	0.5	0.5	5.0
1974	0.3	0.4	3.1	0.5	0.4	4.7
1975	0.3	0.2	2.9	0.5	0.4	4.3
1976	0.3	0.3	2.8	0.4	0.4	4.2
1977	0.5	0.3	2.8	0.6	0.4	4.6
1978	0.6	0.3	3.3	0.5	0.3	5.0
1979	0.5	0.3	3.2	0.5	0.3	4.8
1980	0.5	0.3	3.0	0.4	0.1	4.3
1981	0.5	0.4	3.0	0.4	0.3	4.6
1982	0.5	0.3	2.8	0.4	0.3	4.3
1983	0.5	0.2	3.2	0.4	0.4	4.7
1984	0.6	0.2	3.2	0.4	0.5	4.9
1985	0.5	0.3	3.3	0.5	0.4	5.0
1986	0.5	0.3	3.6	0.5	0.5	5.4
1987	0.4	0.3	3.5	0.5	0.5	5.2
1988	0.3	0.3	3.6	0.4	0.3	4.9
1989	0.3	0.3	3.9	0.4	0.2	5.1
1990	0.4	0.3	3.7	0.3	0.4	5.1
1991	0.5	0.2	3.6	0.4	0.2	4.9
1992	0.5	0.2	3.5	0.3	0.1	4.6

NOTE:--Domestic landings data used in calculating these data are preliminary after 1977.

U.S. ANNUAL PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1972-92

Year	Fillets and steaks (1)	Sticks and portions	Shrimp all preparation
	Pounds (2)		
1972	2.3	1.8	1.4
1973	2.5	2.0	1.4
1974	2.1	1.8	1.5
1975	2.4	1.8	1.4
1976	2.5	2.0	1.5
1977	2.5	2.0	1.6
1978	2.7	2.2	1.5
1979	2.7	*2.2	1.3
1980	2.4	2.0	1.4
1981	2.4	1.8	1.5
1982	2.5	1.7	1.5
1983	2.7	1.8	1.7
1984	3.0	1.8	1.9
1985	3.2	1.8	2.0
1986	3.4	1.8	2.2
1987	*3.6	1.7	2.4
1988	3.2	1.5	2.4
1989	3.1	1.5	2.3
1990	3.1	1.5	2.2
1991	3.0	1.2	2.4
1992	2.9	0.9	*2.5

(1) Data include groundfish and other species. Data do not include blocks, but fillets could be made into blocks from which sticks and portions could be produced.
(2) Product weight of fillets and steaks and sticks and portions, edible (meat) weight of shrimp.
*Record.

Note:--Domestic landings data used in calculating these data are preliminary after 1977.

U.S. USE

Per capita use of commercial fish and shellfish is based on the supply of fishery products, both edible and nonedible (industrial), on a round weight equivalent basis, without considering beginning or ending stocks, defense purchases, or exports.

Per capita use figures are not comparable with per capita consumption data. Per capita consumption figures represent edible (for human use) meat weight consumption rather than round weight consumption. In addition, per capita consumption includes allowances for beginning and ending stocks and exports, whereas the use does not include such allowances.

Per capita use is derived by using total population including U.S. Armed Forces overseas. The per capita consumption is derived by using civilian resident population.

U.S ANNUAL PER CAPITA USE OF COMMERCIAL FISH AND SHELLFISH, 1957-92 (1)

Year	Total population including armed forces overseas July 1	Total U.S. supply	Per capita utilization		
			Commercial landings	Imports	Total
	Million persons	Million pounds	Pounds		
1957	172.0	7,164	27.9	13.8	41.7
1958	174.9	7,526	27.1	15.9	43.0
1959	177.8	8,460	28.8	18.8	47.6
1960	180.7	8,223	27.3	18.2	45.5
1961	183.7	9,570	28.2	23.9	52.1
1962	186.5	10,408	28.7	27.1	55.8
1963	189.2	11,434	25.6	34.8	60.4
1964	191.9	12,031	23.7	39.0	62.7
1965	194.3	10,535	24.6	29.6	54.2
1966	196.6	12,469	22.2	41.2	63.4
1967	198.7	13,991	20.4	50.0	70.4
1968	200.7	17,381	20.7	65.9	86.6
1969	202.7	11,847	21.4	37.0	58.4
1970	205.1	11,474	24.0	31.9	55.9
1971	207.7	11,804	24.1	32.7	56.8
1972	209.9	13,849	22.9	43.1	66.0
1973	211.9	10,378	22.9	26.1	49.0
1974	213.9	9,875	23.2	23.0	46.2
1975	216.0	10,164	22.6	24.5	47.1
1976	218.0	11,593	24.7	28.5	53.2
1977	220.2	10,652	23.9	24.4	48.3
1978	222.6	11,509	27.1	24.6	51.7
1979	225.1	11,831	27.9	24.7	52.6
1980	227.7	11,357	28.5	21.4	49.9
1981 (2)	230.0	11,353	26.0	23.4	49.4
1982 (2)	232.2	12,011	27.4	24.3	51.7
1983 (2)	234.3	12,352	27.5	25.2	52.7
1984 (2)	236.3	12,552	27.3	25.8	53.1
1985 (2)	238.5	15,061	26.3	36.8	63.1
1986 (2)	240.7	14,368	25.1	34.6	59.7
1987 (2)	242.8	15,744	28.4	36.4	64.8
1988 (2)	245.0	14,628	29.3	30.4	59.7
1989 (2)	247.3	15,485	34.2	28.4	62.6
1990 (2)	249.9	16,348	37.6	27.8	65.4
1991 (2)	252.7	16,363	37.5	27.3	64.8
1992 (2)	255.5	16,106	37.7	25.3	63.0

(1) Data include U.S. commercial landings and imports of both edible and nonedible (industrial) fishery products on a round weight basis. "Total supply" is not adjusted for beginning and ending stocks, defense purchases, or exports.

(2) Data revised to reflect changes in population estimates.

WORLD CONSUMPTION

ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 1988-90 AVERAGE

Region and country	Estimated live weight equivalent		Region and country	Estimated live weight equivalent	
	Kilograms	Pounds		Kilograms	Pounds
North America:			Europe - Continued:		
Canada	24.3	53.6	Greece	19.1	42.1
Greenland	80.2	176.8	Hungary	4.7	10.4
St. Pierre and Miquelon	68.2	150.4	Iceland	92.1	203.0
United States	21.3	47.0	Ireland	15.9	35.1
			Italy	20.1	44.3
Caribbean:			Malta	20.3	44.8
Antigua	46.0	101.4	Netherlands	9.8	21.6
Aruba	40.7	89.7	Norway	41.1	90.6
Bahamas	20.4	45.0	Poland	12.4	27.3
Barbados	30.4	67.0	Portugal	60.2	132.7
Bermuda	45.3	99.9	Romania	7.4	16.3
British Virgin Islands	26.0	57.3	Spain	38.0	83.8
Cayman Islands	26.5	58.4	Sweden	26.9	59.3
Cuba	19.8	43.7	Switzerland	13.3	29.3
Dominica	21.1	46.5	United Kingdom	19.9	43.9
Dominican Republic	5.9	13.0	Yugoslavia	4.1	9.0
Grenada	25.5	56.2	Former USSR	27.7	61.1
Guadeloupe	43.4	95.7			
Haiti	4.2	9.3	Near East:		
Jamaica	18.2	40.1	Afghanistan	0.1	0.2
Martinique	42.1	92.8	Bahrain	19.6	43.2
Montserrat	10.5	23.1	Cyprus	14.6	32.2
Netherland Antilles	27.3	60.2	Egypt	8.3	18.3
St. Christopher-Nevis	45.1	99.4	Iran	4.4	9.7
Saint Lucia	18.8	41.4	Iraq	1.0	2.2
St. Vincent	10.8	23.8	Israel	20.6	45.4
Trinidad-Tobago	6.9	15.2	Jordan	2.7	6.0
			Kuwait	9.1	20.1
Latin America:			Lebanon	0.6	1.3
Argentina	6.2	13.7	Libya	3.0	6.6
Belize	7.7	17.0	Oman	23.7	52.2
Bolivia	1.0	2.2	Qatar	13.8	30.4
Brazil	5.7	12.6	Saudi Arabia	7.3	16.1
Chile	24.0	52.9	Sudan	1.4	3.1
Colombia	2.8	6.2	Syria	0.5	1.1
Costa Rica	5.1	11.2	Turkey	6.3	13.9
Ecuador	9.0	19.8	United Arab Emirates	26.3	58.0
El Salvador	1.6	3.5	Yemen Republic	5.7	12.6
French Guiana	41.5	91.5			
Guatemala	0.5	1.1	Far East:		
Guyana	41.3	91.0	Bangladesh	7.3	16.1
Honduras	1.1	2.4	Brunei	29.0	63.9
Mexico	11.0	24.3	Burma	15.3	33.7
Nicaragua	0.7	1.5	Cambodia	10.0	22.0
Panama	15.3	33.7	China	9.3	20.5
Paraguay	2.8	6.2	Hong Kong	53.5	117.9
Peru	27.2	60.0	India	3.7	8.2
Suriname	6.6	14.6	Indonesia	14.7	32.4
Uruguay	4.3	9.5	Japan	72.0	158.7
Venezuela	14.1	31.1	Laos	4.9	10.8
			Macao	25.2	55.6
Europe:			Maldives	133.1	293.4
Albania	2.9	6.4	Malaysia	27.5	60.6
Austria	8.8	19.4	Mongolia	1.0	2.2
Belgium and Luxembourg	18.8	41.4	Nepal	0.7	1.5
Bulgaria	5.2	11.5	North Korea	44.2	97.4
Former Czechoslovakia	7.2	15.9	Pakistan	2.0	4.4
Denmark	21.2	46.7	Philippines	34.6	76.3
Faeroe Island	85.2	187.8	Republic of Korea	47.6	104.9
Finland	30.6	67.5	Singapore	29.3	64.6
France	31.1	68.6	Sri Lanka	14.6	32.2
Germany	12.2	26.9	Taiwan	39.1	86.2
			Thailand	20.7	45.6
			Vietnam	12.4	27.3

See note at end of table.

(Continued)

WORLD CONSUMPTION

ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 1988-90 AVERAGE - Continued

Region and country	Estimated live weight equivalent	
	Kilograms	Pounds
Africa:		
Algeria	4.2	9.3
Angola	23.3	51.4
Benin	9.9	21.8
Botswana	3.1	6.8
Burkina	2.1	4.6
Burundi	2.6	5.7
Cameroon	13.5	29.8
Cape Verde	13.0	28.7
Central African Republic	5.0	11.0
Chad	11.3	24.9
Comoros	13.9	30.6
Congo	35.7	78.7
Djibouti	3.2	7.1
Equatorial Guinea	19.1	42.1
Ethiopia	0.1	0.2
Gabon	31.2	68.8
Gambia	17.8	39.2
Ghana	26.4	58.2
Guinea	7.6	16.8
Guinea-Bissau	5.5	12.1
Ivory Coast	15.5	34.2
Kenya	5.7	12.6
Lesotho	1.6	3.5
Liberia	13.4	29.5
Madagascar	8.2	18.1
Malawi	9.3	20.5
Mali	7.3	16.1
Mauritania	9.4	20.7
Mauritius	19.1	42.1
Morocco	6.7	14.8
Mozambique	2.9	6.4
Namibia	11.7	25.8
Niger	0.6	1.3
Nigeria	7.9	17.4
Republic of South Africa	9.4	20.7
Reunion	24.2	53.4
Rwanda	0.3	0.7
Sao Tome	32.2	71.0
Senegal	24.4	53.8
Seychelles	57.7	127.2
Sierra Leone	13.2	29.1
Somalia	1.6	3.5
St. Helena	88.3	194.7
Swaziland	0.2	0.4
Tanzania	15.2	33.5
Togo	14.9	32.8
Tunisia	10.2	22.5
Uganda	13.2	29.1
Zaire	7.7	17.0
Zambia	8.1	17.9
Zimbabwe	2.6	5.7
Oceania:		
Australia	18.8	41.4
Fiji	44.6	98.3
French Polynesia	36.0	79.4
New Caledonia	21.4	47.2
New Zealand	28.9	63.7
Papua New Guinea	22.8	50.3
Solomon Islands	59.8	131.8
Tonga	28.0	61.7
Vanuatu	30.4	67.0
Western Samoa	21.7	47.8
World	*13.4*	*29.5*

Note:--Data for most countries are tentative. Aquatic plants are included where applicable.

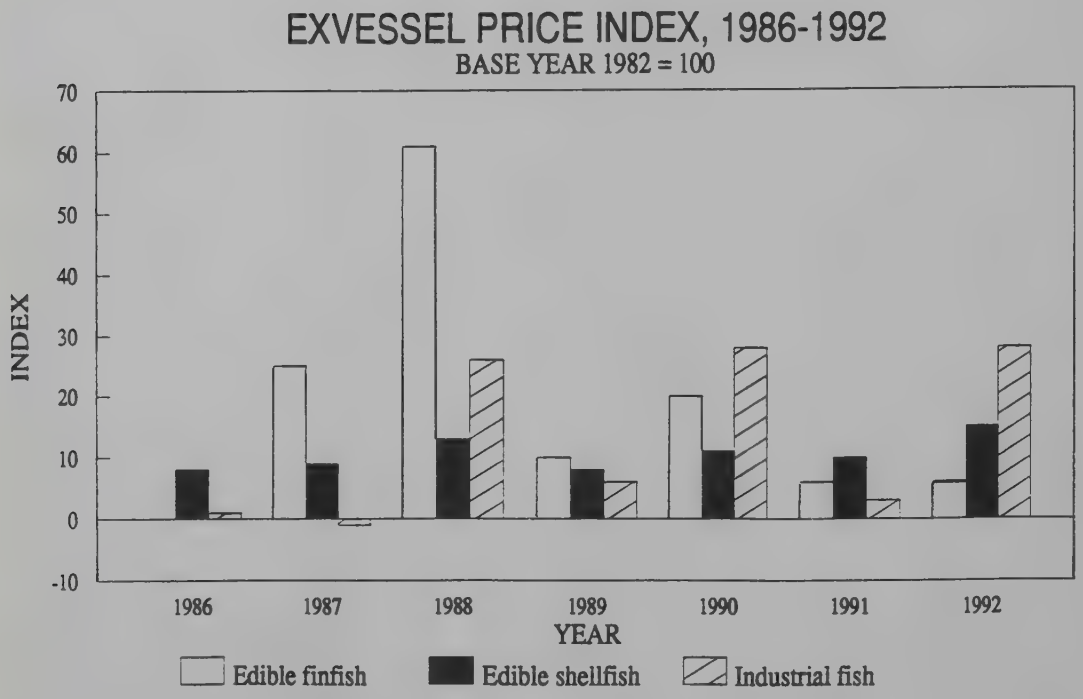
Source:--Food and Agriculture Organization of the United Nations (FAO) Yearbook of Fishery Statistics, 1991, vol. 73, Rome.

The Exvessel Price table is an index of changes in the relative dockside value of fish and shellfish sold by fishing vessels. The table indexes the average annual exvessel value (price per pound) received for each species or group to the average price per pound received for the same species or group in the base year 1982.

The exvessel price for each year was obtained by dividing total value for each species or group by its total quantity as reported in the distance from shore tables on pages 6-9. The index for each species or group was obtained by multiplying the current annual price by the total quantity caught in 1982 (the base year). That number was then divided by the 1982 value to obtain the final index:

$$\frac{(100 \times \text{Current price} \times \text{1982 quantity})}{\text{1982 Annual Value}} = \text{Index}$$

Each index number measures price changes from the 1982 reference period when the index equaled 100. A species of fish that sold for $0.75 a pound in 1986 and a $1.00 a pound in 1982 would have an index of 75 in 1986. In 1992, if the price of the same species increased to $1.07, the index in 1992 would be 107.



INDEXES OF EXVESSEL PRICES FOR FISH AND SHELLFISH, BY YEARS, 1986-92
(1982=100)

Species	1986 (1)	1987 (1)	1988 (1)	1989 (1)	1990 (1)	1991 (1)	1992
Groundfish, et al:							
Cod	69	88	66	73	79	106	105
Haddock	200	257	220	239	220	227	219
Pollock:							
Atlantic	115	175	150	191	223	255	297
Alaska	85	110	121	134	151	149	194
Flounders	64	70	55	66	112	97	60
Total groundfish, et al.	*83*	*101*	*84*	*96*	*121*	*122*	*108*
Halibut	124	135	104	131	159	175	91
Sea herring	133	144	162	74	97	86	86
Salmon:							
Chinook	90	110	141	85	101	101	112
Chum	89	113	206	98	109	73	112
Pink	91	147	319	159	138	57	69
Sockeye	161	177	258	142	140	88	136
Coho	80	145	198	77	105	72	84
Total salmon	*121*	*151*	*232*	*120*	*125*	*82*	*113*
Swordfish	115	130	121	119	108	102	111
Tuna:							
Albacore	78	111	124	126	127	114	147
Bluefin	81	483	587	612	572	1,158	477
Skipjack	68	80	103	86	85	83	72
Yellowfin	72	92	114	101	112	116	96
Total tuna	*71*	*97*	*121*	*108*	*112*	*126*	*97*
Total edible finfish	*100*	*125*	*161*	*110*	*120*	*106*	*106*
Clams:							
Hard	119	130	164	145	127	142	135
Ocean quahog	111	106	103	103	111	124	124
Soft	171	145	150	159	213	192	222
Surf	104	88	88	88	86	84	83
Total clams	*122*	*118*	*134*	*127*	*127*	*132*	*133*
Crabs:							
Blue	124	142	153	155	152	131	183
Dungeness	138	138	122	118	162	159	124
King	114	114	135	135	145	99	139
Snow	72	82	89	92	83	53	60
Total crabs	*107*	*113*	*124*	*125*	*131*	*99*	*124*
American lobster	114	127	130	122	110	113	125
Oysters	137	165	175	198	228	219	225
Scallops:							
Bay	229	140	155	158	149	157	150
Calico	186	106	102	88	110	292	(2)
Sea	133	113	115	107	105	110	132
Total scallops	*146*	*114*	*116*	*109*	*109*	*135*	*118*
Shrimp:							
Gulf and South Atlantic	92	89	90	79	79	87	86
Other	113	155	102	92	113	130	113
Total shrimp	*93*	*92*	*91*	*80*	*81*	*89*	*88*
Total edible shellfish	*108*	*109*	*113*	*108*	*111*	*110*	*115*
Total edible fish and shellfish	*104*	*116*	*134*	*109*	*115*	*108*	*111*
Industrial fish, Menhaden	101	99	126	106	128	103	128
All fish and shellfish	*104*	*115*	*134*	*109*	*116*	*108*	*112*

(1) Revised.
(2) Confidential data.

VALUE ADDED

The value added table reflects changes in the value of fishery products from year to year, using measures such as **mark-up**, **value added** as a percent of mark-up, and **sales** of fishery products in each sector (1). Using a model developed for Fisheries of the U.S. in 1987, the value added table has been updated each year to incorporate changes in the annual quantity and value of landings, and in imports and exports of several species. These annual updates allow partial re-estimation of the mark-ups, value added, and sales of each sector.

Complete re-estimation of the annual mark-ups and value added requires secondary information such as average revenues and costs of operation for businesses involved in the processing, wholesaling, or retailing of fishery products. The revenue and cost data needed to estimate mark-ups in each sector are only published once every five years. In addition, there is a two-year lag between the collection and publication of this data. Thus, the margins estimated in the value added tables from 1987 through 1991 are based on 1985 financial data which became available in 1987.

The 1992 value added table incorporates newly available 1990 financial data, as well as 1992 fisheries data, to re-estimate the mark-up of fishery products at each market level. Therefore, the estimated 1992 mark-ups and value added in each sector reflect the annual change in fisheries activity as well as changes in the economy as a whole since 1987.

To differentiate between the effects of changes in the economy versus changes in fishing activity, the 1992 model was estimated using both the 1985 and the 1990 financial data. The effects of the updated financial data are an increase of 11.8 percent in the estimated 1992 total U.S. value added activity and a 31.5 percent increase in estimated consumer expenditures.

Incorporation of new financial information indicates that in every sector the mark-up of fishery inputs has increased while the value added as a percent of total mark-up has decreased. This suggests that harvesters, processors, wholesalers, and retailers are paying more for purchased inputs and are charging more for the transformed fishery product, while not paying significantly more for the components of value added.

It is anticipated that the model upon which the value added table is based will be revised every five years to make use of the periodic update of revenue and cost data. The financial data used to estimate margins and value added in the 1992 value added table will be used until 1997, when 1995 data becomes available.

(1) See footnotes following the value added table for definitions of these terms.

SUMMARY OF 1992 VALUE ADDED, MARGINS, AND CONSUMER EXPENDITURES FOR COMMERCIAL MARINE FISHERY PRODUCTS IN THE UNITED STATES (1)

Sector or type of activity	Purchase of fishery inputs	Mark-up of fishery inputs	Total mark-up within sector	Value added as percent of total mark-up	Value added within sector	Value of sales by sector	Value added contribution	Offshore fleet & exported fishery products
	Thousand Dollars	Percentage of Fishery Inputs	Thousand Dollars	Percentage	Thousand Dollars	Thousand Dollars	Percentage of GNP Contribution	Thousand Dollars
Domestic Harvest:								
Edible.....	-	100.0	$3,594,962	62.96	$2,263,332	$3,594,962	12.2	
Industrial.....	-	100.0	$82,973	60.69	$50,356	$82,973	0.3	
Harvest not landed in U.S...	-	100.0	$205,524	68.25	$140,268	$205,524	0.8	$205,524
Imports, Unprocessed..	$2,371,319	-	-	-	-	$2,371,319	-	
Exports, Unprocessed..	-	-	-	-	-	-	-	$1,325,657
Primary Wholesale and Processing.....	$4,723,597	95.1	$4,494,335	51.6	$2,320,433	$9,217,932	12.5	
Imports, Processed....	$3,432,953	-	-	-	-	$3,432,953	-	
Exports, Processed....	-	-	-	-	-	-	-	$2,132,737
Secondary Wholesale and Processing:								
Edible.....	$10,373,033	58.3	$6,051,689	29.1	$1,758,431	$16,424,721	9.5	
Industrial.....	$145,115	58.3	$84,661	29.1	$24,600	$229,776	0.1	
Retail Trade from Food Service.....	$8,545,33[illegible]	182.7	$15,614,505	67.0	$10,453,963	$24,159,840	56.4	
Retail Trade from Stores.....	$7,879,386	35.3	$2,784,284	54.4	$1,514,241	$10,663,670	8.2	
TOTAL U.S. VALUE ADDED ACTIVITY:					$18,525,624		100.0	
CONSUMERS EXPENDITURES (& WHOLESALE PURCHASES OF INDUSTRIAL PRODUCTS) FOR FISHERY PRODUCTS:						*$35,053,287*		

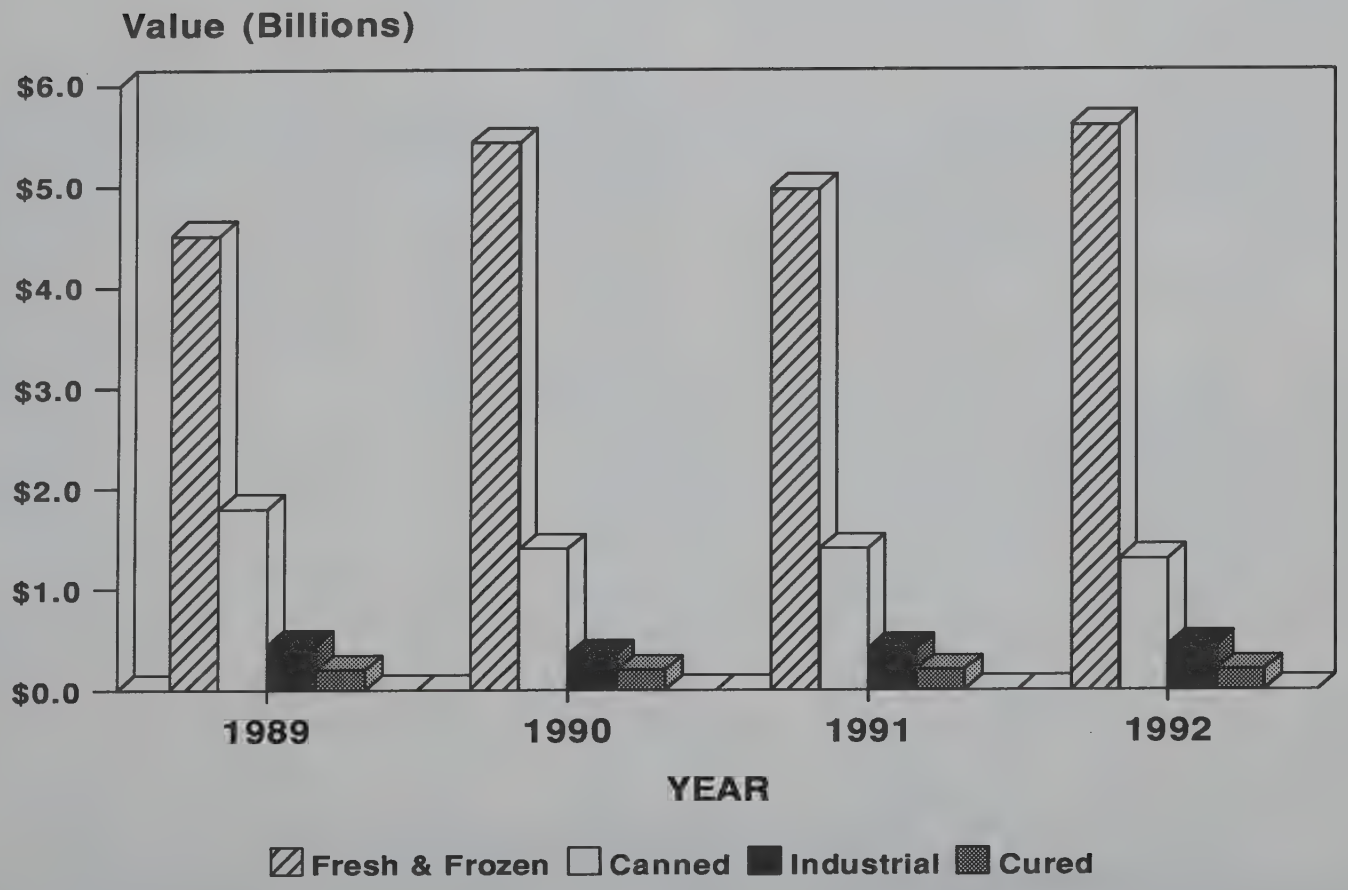
(1) Includes industrial products, landings by U.S.-flag vessels at U.S. and foreign ports, and joint ventures.

Note.-- The table reports the contribution of commercial marine fishing to the national economy as measured by margin, value added, and sales. These measures are consistent with the Bureau of the Census definitions.

Margin or mark-up is the difference between the price paid for the product by the consumer or wholesale purchaser and the dockside or wholesale value for an equivalent weight of the product. (It is assumed that fishermen catch their fish without paying purchase price and therefore the entire dockside or exvessel price is considered margin.) Value added is a measure of the factors added to the total worth of a product at each stage of the production process. It is defined as the gross receipts of firms minus the cost of purchased goods and services needed to fabricate the product. Gross National Products (GNP) is equal to the sum of the value added of all economic entities in the economy. Value added within a sector represents that sector's contribution to GNP.

Value added includes wages, salaries, interest, depreciation, rent, taxes and profit. Consumer expenditures are the final retail value of seafood products sold through stores and food service outlets plus secondary wholesale and processing of industrial products.

VALUE OF PROCESSED FISHERY PRODUCTS FROM DOMESTIC CATCH & IMPORTED PRODUCTS 1989 - 1992



ESTIMATED NUMBER OF COMMERCIAL FISHING VESSELS (1) AND FISHING BOATS (2) BY REGION AND STATE, 1990 - 1991

	1990			1991		
REGIONS	VESSELS	BOATS	TOTAL	VESSELS	BOATS	TOTAL
Northeast Fisheries:						
Connecticut	135	506	641	130	40	170
Delaware	29	342	371	26	22	48
Maine	1,721	6,274	7,995	1,742	103	1,845
Maryland (3)	61	4	65	65	-	65
Massachusetts	921	4,654	5,575	878	170	1,048
New Hampshire	122	447	569	134	9	143
New Jersey	427	1,450	1,877	447	73	520
New York	513	3,696	4,209	602	55	657
Rhode Island	232	2,689	2,921	258	42	300
Virginia (3)	248	0	248	242	6	248
South Atlantic and Gulf Fisheries:						
North Carolina	1,014	5,271	6,285	1,050	4,950	6,000
South Carolina	470	1,140	1,610	370	946	1,316
Georgia	382	356	738	336	344	680
Florida	2,500	4,800	7,300	2,394	6,609	9,003
Alabama	451	587	1,038	408	531	939
Mississippi	704	1,199	1,903	857	1,145	2,002
Louisiana	3,628	9,113	12,741	3,840	9,786	13,626
Texas	2,659	2,985	5,644	2,500	2,700	5,200
West Coast Fisheries:						
Washington	2,609	2,627	5,236	2,609	2,627	5,236
Oregon	1,491	1,897	3,388	1,613	1,346	2,959
Alaska	7,063	10,352	17,415	7,416	10,164	17,580
California	3,675	2,921	6,596	3,556	3,136	6,692
Hawaii	190	1,200	1,390	NA	NA	NA
Great Lakes Fisheries: (4)						
Illinois	5	0	5	5	0	5
Indiana	1	3	4	10	0	10
Michigan	60	79	139	62	74	136
Minnesota	2	27	29	2	29	31
New York	2	21	23	4	18	22
Ohio	31	22	53	30	25	55
Pennsylvania	4	4	8	NA	NA	NA
Wisconsin	84	26	110	86	33	119

(1) Vessels are documented craft greater than 5 net registered tons.
(2) Boats are craft less than 5 net registered tons.
(3) Only Federal collected data are available. Inshore data not available.
(4) Commercial fishing fleet sizes for the Great Lakes states represent only the number of licenses issued by the state; therefore, may not be an accurate total. Tribal data are not included in this table.
NA -- Not available.

PROCESSORS AND WHOLESALERS: PLANTS, AND EMPLOYMENT, 1991

State and area	Processing			Wholesale			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year
	Number								
New England:									
Maine	79	1,603	1,470	254	775	714	333	2,378	2,184
New Hampshire	9	346	346	14	79	76	23	425	422
Massachusetts	119	3,130	3,126	284	1,621	1,586	403	4,751	4,712
Rhode Island	32	579	518	94	351	320	126	930	838
Connecticut	6	71	70	39	278	278	45	349	348
Total	*245*	*5,729*	*5,530*	*685*	*3,104*	*2,974*	*930*	*8,833*	*8,504*
Mid-Atlantic:									
New York	20	283	283	133	753	745	153	1,036	1,028
New Jersey	18	660	660	59	355	351	77	1,015	1,011
Pennsylvania	7	1,330	1,315	12	186	186	19	1,516	1,501
Delaware	(1)	(1)	(1)	8	419	417	8	419	417
District of Columbia	-	-	-	4	41	41	4	41	41
Maryland	52	1,660	1,543	71	593	528	123	2,253	2,071
Virginia	68	2,787	2,583	48	298	286	116	3,085	2,869
Total	*165*	*6,720*	*6,384*	*335*	*2,645*	*2,554*	*500*	*9,365*	*8,938*
South Atlantic:									
North Carolina	90	1,835	1,665	151	579	542	241	2,414	2,207
South Carolina	13	187	166	105	444	410	118	631	576
Georgia	15	1,084	1,084	36	103	102	51	1,187	1,186
Florida, East Coast	34	1,476	1,421	115	863	854	149	2,339	2,275
Total	*152*	*4,582*	*4,336*	*407*	*1,989*	*1,908*	*559*	*6,571*	*6,244*
Gulf:									
Florida, West Coast	138	2,433	2,307	195	782	765	333	3,215	3,072
Alabama	78	1,518	1,454	24	60	54	102	1,578	1,508
Mississippi	36	1,431	1,415	28	140	132	64	1,571	1,547
Louisiana	194	4,138	3,437	383	1,475	1,125	577	5,613	4,562
Texas	30	1,368	1,365	122	517	485	152	1,885	1,850
Total	*476*	*10,888*	*9,978*	*752*	*2,974*	*2,561*	*1,228*	*13,862*	*12,539*
Pacific:									
Alaska	402	15,496	11,692	14	118	60	416	15,614	11,752
Washington	147	5,650	4,593	139	433	397	286	6,083	4,990
Oregon	49	1,418	1,362	30	69	47	79	1,487	1,409
California	159	6,005	5,928	296	1,446	1,422	455	7,451	7,350
Total	*757*	*28,569*	*23,575*	*479*	*2,066*	*1,926*	*1,236*	*30,635*	*25,501*
Inland States (2), Total	*58*	*810*	*809*	*34*	*260*	*260*	*92*	*1,070*	*1,069*
Other Areas or States: (3), Total.	*28*	*9,898*	*9,774*	*62*	*380*	*379*	*90*	*10,278*	*10,153*
Grand Total	*1,881*	*67,196*	*60,386*	*2,754*	*13,418*	*12,562*	*4,635*	*80,614*	*72,948*

(1) Included with wholesale. (2) Data covers, Arizona, Colorado, Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Montana, Nevada, South Dakota, Tennessee, West Virginia, Wisconsin, and a partial survey conducted for other States.
(3) Include American Samoa, Guam, Hawaii, and Puerto Rico.

FISHERY PRODUCTS AND ESTABLISHMENTS INSPECTED IN CALENDAR YEAR, 1992

Region	Edible fishery products						
	Establishments (1)		Amount inspected				
	SIFE (2)	PUFI (3)	Grade A (4)	PUFI (4)	No mark (5)	Lot (6)	Total
	-Average number-		----------Thousand pounds----------				
Northeast.....	4	54	40,903	205,441	18,408	196,749	461,500
Southeast.....	0	108	27,625	58,923	13,040	116,795	216,383
West.....	6	83	32,119	65,573	12,330	207,173	317,195
Total, 1992.....	*10*	*245*	*100,647*	*329,937*	*43,778*	*520,717*	*995,079*
Total, 1991.....	*11*	*225*	*101,742*	*340,531*	*172,284*	*341,427*	*955,984*

(1) These establishments are inspected under contract and certified as meeting U.S. Department of Commerce (USDC) regulations for construction and maintenance of facilities and equipment, processing techniques, and employment practices.

(2) Fish processing establishments approved for sanitation under the Sanitary Inspected Fish Establishment service (SIFE). Products are not processed under inspection.

(3) Sanitarily inspected fish establishments processing fishery products under USDC inspection.

(4) Products processed under USDC inspection in inspected establishments and labeled with USDC inspection mark as "Packed Under Federal Inspection" (PUFI) and/or "U.S. Grade A."

(5) Products processed under inspection in inspected establishments but bearing no USDC inspection mark.

(6) Lot inspected and marked products checked for quality and condition at the time of examination and located in processing plants, warehouses, cold storage facilities, or terminal markets anywhere in the United States.

Note:--Table may not add due to rounding.

Source:--NMFS, Office of Trade and Industry Services, F/TS4.

THE MAGNUSON FISHERY CONSERVATION AND MANAGEMENT ACT

The Magnuson Fishery Conservation and Management Act (MFCMA), Public Law 94-265 as amended (Magnuson Act), provides for the conservation and management of all fishery resources within the U.S. Exclusive Economic Zone (EEZ). It also provides for fishery management authority over continental shelf resources and anadromous species beyond the EEZ, except when they are found within a foreign nation's territorial sea or fishery conservation zone (or equivalent), to the extent that such sea or zone is recognized by the United States.

The EEZ extends from the seaward boundary of each of the coastal States (generally 3 nautical miles from shore for all but two States) to 200 nautical miles from shore. The seaward boundaries of Texas, Puerto Rico, and the Gulf coast of Florida are 3 marine leagues (9 nautical miles).

GOVERNING INTERNATIONAL FISHERY AGREEMENTS

Under the Magnuson Act, the Secretary of State, in cooperation with the Secretary of Commerce (Secretary), negotiates Governing International Fishery Agreements (GIFAs) with foreign countries wishing to fish within the EEZ. After a GIFA is signed, it is transmitted by the President to the Congress for ratification.

FOREIGN FISHING PERMITS

Foreign flagged fishing vessels whose flag nation has a GIFA with the U.S. may submit a permit application to fish in the EEZ for surplus fishery resources managed under the Magnuson Act after the Department of State (DOS) has offered and the vessels flag nation has: (1) accepted an allocation; and (2) a fishing permit has been issued to the flag nation. Permit applications must also be submitted to DOS for foreign flagged vessels that receive U.S. harvested fish in the EEZ and for any other operation in support of fishing in EEZ. The U.S. Coast Guard, the appropriate Regional Fishery Management Council and the National Marine Fisheries Service are provided copies for review and recommendation. The DOS will also publish in the Federal Register a summary of all permit applications received from foreign nations requesting fishing permits to fish in the U.S. EEZ.

FEES

Foreign nations engaged in fisheries subject to U.S. jurisdiction are charged permit fees, poundage fees, a foreign fee surcharge, and an observer fee.

The permit fees recover costs of issuing permits, based upon a standard administrative charge of $354 for each foreign permit application.

Poundage fees are charged for the fish harvested by foreign vessels. Poundage fees vary in relation to the exvessel values of the species harvested by a nation's vessels. Poundage fees are not currently charged for U.S. harvested fish received by foreign vessels.

The surcharge is to capitalize a fund to compensate U.S. fishermen operating in the EEZ whose vessels or gear are lost or damaged because of conflicts with foreign vessels. The surcharge on poundage and permit fees was waived in 1992 because the fund was fully capitalized.

The observer fee covers U.S. costs including salary, per diem, training, transportation, and support costs and overhead for U.S. observers on board foreign vessels. The fee is computed on the basis of actual observer trips.

FOREIGN ALLOCATIONS

The total allowable level of foreign fishing (TALFF), if any, for any fishery subject to the exclusive fishery management authority of the United States is that portion of the optimum yield (OY) of such fishery that will not be harvested by vessels of the United States.

Each assessment of OY and each assessment of the anticipated U.S. harvest is reviewed during the fishing season. Adjustments to TALFFs are based on updated information relating to status of stocks, estimated and actual performance of domestic and foreign fleets, and other relevant factors.

FMPs and PMPs

Under the Magnuson Act, eight Regional Fishery Management Councils are charged with preparing Fishery Management Plans (FMPs) for the fisheries needing management within their areas of authority. After the Councils develop FMPs which cover domestic and foreign fishing efforts, the FMPs are submitted to the Secretary of Commerce for approval and implementation. The Department, through NMFS agents and the U.S. Coast Guard, is responsible for enforcing the law and regulations.

The Secretary of Commerce is empowered to prepare plans in the Atlantic and Gulf of Mexico for highly migratory species. Where no FMP exists, Preliminary Fishery Management Plans (PMPs), which only cover foreign fishing efforts, are prepared by the Secretary for each fishery for which a foreign nation requests a permit. The Secretary is also empowered to produce an FMP for any fishery that a Council has not duly produced. In this latter case, the Secretary's FMP covers domestic and foreign fishing.

As of December 31, 1992, five Preliminary Fishery Management Plans (PMPs) were in effect, many of which have been amended since first being implemented.

Foreign Trawl Fisheries of the Northwest Atlantic
Hake Fisheries of the Northwestern Atlantic
Pacific Billfishes and Oceanic Sharks
Bering Sea Herring
Bering Sea Snails

The Atlantic swordfish and Atlantic billfish fisheries are currently being managed by the Secretary under the Magnuson Act and the Western Atlantic bluefin tuna fishery is managed under the Atlantic Tunas Convention Act.

FISHERY MANAGEMENT PLANS (FMPs)

Under section 304 of the Magnuson Act, all Council-prepared FMPs must be reviewed by the Secretary of Commerce. After FMPs have been approved under section 304 of the Magnuson Act, they are implemented by federal regulations, under section 305 of the Act. As of December 31, 1992, there are 32 fishery management plans in place. The FMPs are listed below. Many FMPs are amended by the Council and submitted for approval under the same Secretarial review process as new FMPs. Many of the FMPs listed have been amended since initial implementation. Those marked with a double asterisk (**) were amended in 1992.

Northeast Multispecies
American Lobster
Atlantic Billfishes
Atlantic Bluefish
Atlantic Coast Red Drum
Atlantic Mackerel, Squid, and Butterfish (**)
Atlantic Salmon
Atlantic Sea Scallops
Atlantic Surf Clams and Ocean Quahogs fisheries
Summer Flounder (**)
Swordfish
Gulf and South Atlantic Spiny Lobster
Caribbean Shallow Water Reef Fish
Gulf and South Atlantic Corals
Gulf of Mexico Reef Fish (**)
Gulf of Mexico Shrimp (**)
Gulf of Mexico Stone Crab
Coastal Migratory Pelagics (**)
Caribbean Spiny Lobster
Snapper/Grouper (**)
Northern Anchovy
King and Tanner Crab
Commercial and Recreational Salmon
High Seas Salmon
Pacific Groundfish (**)
Gulf of Alaska Groundfish (**)
Bering Sea and Aleutian Islands Groundfish (**)
Western Pacific Crustaceans (**)
Western Pacific Precious Corals
Western Pacific Bottomfish and Seamount Groundfish
Gulf of Mexico Red Drum (**)
Western Pacific Pelagics (**)

During 1992, 544 regulatory actions were processed via the Federal Register to implement FMP fishery management actions and rules for foreign fishing. This number includes hearings, meetings, and correction notices.

THE MAGNUSON FISHERY CONSERVATION AND MANAGEMENT ACT

REGIONAL FISHERY MANAGEMENT COUNCILS

Council	States	Telephone Number	Executive Director
NEW ENGLAND	(Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut)	617-231-0422	Douglas G. Marshall Suntaug Office Park 5 Broadway (Rt. 1) Saugus, MA 01906
MID-ATLANTIC	(New York, New Jersey, Delaware, Pennsylvania, Maryland, and Virginia)	302-674-2331	John C. Bryson Federal Bldg., Rm. 2115 300 So. New St. Dover, DE 19901
SOUTH ATLANTIC	(North Carolina, South Carolina, Georgia, and Florida)	803-571-4366	Robert K. Mahood Southpark Bldg., Suite 306 1 Southpark Circle Charleston, SC 29407
GULF OF MEXICO	(Texas, Louisiana, Mississippi, Alabama, and Florida)	813-228-2815	Wayne E. Swingle Lincoln Center, Suite 881 5401 W. Kennedy Blvd. Tampa, FL 33609
CARIBBEAN	(Virgin Islands and the Commonwealth of Puerto Rico)	809-753-6910	Miguel A. Rolon Banco de Ponce Bldg. Suite 1108 Hato Rey, PR 00918
PACIFIC	(California, Washington, Oregon, and Idaho)	503-326-6352	Lawrence D. Six Metro Center, Suite 420 2000 S.W. First Avenue Portland, OR 97201
NORTH PACIFIC	(Alaska, Washington, and Oregon)	907-271-2809	Clarence G. Pautzke 605 W.4th Ave., Rm. 306 P.O. Box 103136 Anchorage, AK 99510
WESTERN PACIFIC	(Hawaii, American Samoa, Guam, and the Northern Marianas Islands)	808-523-1368	Kitty M. Simonds 1164 Bishop St., Rm.1405 Honolulu, HI 96813

OPTIMUM YIELD, DOMESTIC ANNUAL HARVEST, RESERVE, TALFF, AND FOREIGN FISHING ALLOCATIONS: NORTH ATLANTIC, BY SPECIES AND COUNTRY, 1992 (1)

Item	Loligo squid (2)	Illex squid (2)	Atlantic mackerel (3)	Butter-fish (2)
	Metric tons, round weight			
Max Optimum yield (OY)	44,000	30,000	N/A	16,000
ABC	37,000	30,000	850,000	16,000
Initial Optimum yield	34,000	27,000	95,000	10,000
DAH	34,000	27,000	95,000	10,000
DAP	34,000	27,000	55,000	10,000
JVP	-	-	26,000	-
Reserve	N/A	N/A	N/A	N/A
TALFF	-	-	-	-

(1) OY=Optimum Yield; ABC=Allowable Biological Catch; DAH=Domestic Annual Harvest; and TALFF=Total Allowable Level of Foreign Fishing; Initial Optimum Yield = DAH & TALFF or max optimum yield.

(2) These are the maximum OYs as stated in the FMP; TALFF is for by catch purposes.

(3) DAH includes 14,000 metric tons for recreational catch.

N/A:--Not Applicable.

Source:--NMFS, Office of Conservation and Management, F/CM and Office of Trade and Industry Service, F/TS2.

GENERAL ADMINISTRATIVE INFORMATION

UNITED STATES DEPARTMENT OF COMMERCE

14th and E Streets, NW
Washington, D.C. 20230

Mail routing code		*Telephone number*
--	***Secretary of Commerce*** Ronald H. Brown	202-482-2112
A	***Under Secretary for Oceans and Atmoshpere*** D. James Baker	202-482-3436

NATIONAL MARINE FISHERIES SERVICE

1335 East-West Highway
(Silver Spring Metro Center #1)
Silver Spring, MD 20910

F	***Assistant Administrator for Fisheries***	301-713-2239
Fx1	Deputy Assistant Administrator for Fisheries -- Nancy Foster	301-713-2239
Fx2	Program Management Officer -- Samuel W. McKeen	301-713-2239
Fx3	Senior Scientist for Fisheries -- Michael P. Sissenwine	301-713-2239
F/MS	**Management Services Office** James H. Czerwonky	301-713-2245
F/BP	**Budget and Planning Office --** John E. Oliver, Jr.	301-713-2250
F/PC	**Policy and Coordination Office --** John T. Everett	301-713-2253
F/EN	**Office of Enforcement --** Morris M. Pallozzi	301-427-2300
F/EN1	Headquarters Operations Division	301-427-2300
F/CM	**Office of Fisheries Conservation and Management --** Richard H. Schaefer	301-713-2334
F/CM1	Operations Support and Analysis Division	301-713-2339
F/CM2	Plans and Regulations Division	301-713-2343
F/CM3	Recreational and Interjurisdictional Fisheries Division	301-713-2347
F/CM4	Highly Migratory Species Management Division	301-713-2347
F/HP	**Office of Habitat Protection --** Charles Karnella	301-713-2325
F/HP1	Habitat Policy and Conservation Division	301-713-0303
F/HP2	Habitat Science and Information Division	301-713-2325
F/HP3	Chesapeake Bay Program Office	410-280-1871
F/RE	**Office of Research and Environmental Information --** Glenn A. Flittner	301-713-2367
F/RE1	Fisheries Statistics Division	301-713-2328
F/RE2	Data Management Division	301-713-2372
F/RE3	Prediction, Analysis and Monitoring Division	301-713-2363
F/PR	**Office of Protected Species --** William W. Fox, Jr.	301-713-2332
F/PR1	Permits and Documentation Division	301-713-2289
F/PR2	Protected Species Management Division	301-713-2322
F/PR5	Habitat Research and Restoration Division	301-713-2319

(Continued)

NATIONAL MARINE FISHERIES SERVICE
Silver Spring, MD 20910

Mail routing code		*Telephone number*
F/TS	**Office of Trade and Industry Services --** James E. Douglas, Jr.	301-713-2351
F/TS1	Financial Services Division	301-713-2390
F/TS2	Trade Services Division	301-713-2379
F/TS3	Utilization Research and Services Division	301-713-2358
F/TS4	Inspection Service Division	301-713-2355
F/IA	**Office of International Affairs --** Henry R. Beasley	301-713-2272
F/IA1	Organizations and Agreements Division	301-713-2276
F/IA2	International Science, Development and Polar Affairs Division	301-713-2288
LA11	**Office of Congressional Affairs - Fisheries --** William Price	301-713-2263
PAF	**Office of Public Affairs - Fisheries --** Angela Calos	301-713-2370
GCF	**Office of General Counsel - Fisheries --** Margaret Hayes	301-713-2231

REFERRAL DIRECTORY - SILVER SPRING, MD OFFICE

FOREIGN FEES AND PERMITS--301-713-2339

Joint Ventures
Regulations:
  Foreign Fishing
  U.S. Nationals Fishing in Russian EZ

FINANCIAL SERVICES--301-713-2390

Compensation for loss of gear
Construction, vessels (Tax Deferral Program)
Insurance - vessel seizure by foreign governments
Loans and loan guarantees

FISHERY MANAGEMENT OPERATIONS--301-713-2343

Artifical reefs
Fishery management plans
Fisheries regulations
State grants

INDUSTRY SERVICES--301-713-2351

Consumer education and marketing
Exports/Imports licenses
Saltonstall-Kennedy (S-K) grants
Tariffs
Trade issues

INTERNATIONAL FISHERIES--301-713-2272

Allocation (foreign fishing catches)
Foreign fisheries (general)

LAW ENFORCEMENT AND FINES--301-427-2300

PROTECTED SPECIES--301-713-2332

Lacey Act (general information)
Marine Mammal Protection Act (general)
Permits and regulations

RESOURCES INVESTIGATIONS--301-713-2367

Acid rain and pollution
Aquaculture information
Diseases of fish
Ecology and fish recruitment
Fishing methods
Resource abundance

STATISTICAL DATA SERVICES--301-713-2328

Commercial fisheries - landings and value
Imports and exports
Joint ventures
Market news reports (general)
Operating units (fishermen and vessels)
Processed fishery products
Recreational fisheries

UTILIZATION RESEARCH--301-713-2358

Botulism and ciguatera poisoning
Nutrition and quality of fishery products
Safety and product standards
Seafood inspection and identity

GENERAL ADMINISTRATIVE INFORMATION

NATIONAL MARINE FISHERIES SERVICE

REGIONAL FACILITIES

Location	*Telephone number*	
Gloucester, MA	508-281-9300	Northeast Region, One Blackburn Drive Gloucester, MA 01930
Woods Hole, MA	508-548-5123	Northeast Fisheries Science Center Woods Hole, MA 02543
Woods Hole, MA	508-548-5123	Woods Hole Laboratory Woods Hole, MA 02543
Narragansett, RI	401-789-9326	Narragansett Laboratory, 28 Tarzell Drive Narragansett, RI 02882
Milford, CT	203-878-2459	Milford Laboratory Milford, CT 06460
Highlands, NJ	908-872-3000	Sandy Hook Laboratory, Building 74, McGruder Rd. Highlands, NJ 07732
Oxford, MD	410-226-5193	Oxford Laboratory, 609 S. Morris St. Oxford, MD 21654
Gloucester, MA	508-281-9278	Gloucester Laboratory, Emerson Ave. Gloucester, MA 01930
Washington, DC	202-357-2550	National Systematics Laboratory, MRC153 10th and Constitution Ave., N.W., Wash., DC 20560
St. Petersburg, FL	813-893-3141	Southeast Region, 9450 Koger Blvd. St. Petersburg, FL 33702
Miami, FL	305-361-4284	Southeast Fisheries Science Center, 75 Virginia Beach Dr. Miami, FL 33149
Miami, FL	305-361-4225	Miami Laboratory, 75 Virginia Beach Dr. Miami, FL 33149
Pascagoula, MS	601-762-4591	Mississippi Laboratories, 3209 Frederick St. P.O. Drawer 1207 Pascagula, MS 39567
Panama City, FL	904-234-6541	Panama City Laboratory, 3500 Delwood Beach Rd. Panama City, FL 32408
Galveston, TX	409-766-3500	Galveston Laboratory, 4700 Avenue U Galveston, TX 77551

(Continued)

NATIONAL MARINE FISHERIES SERVICE
REGIONAL FACILITIES

Location	Telephone number	
Charleston, SC	803-762-1200	Charleston Laboratory, 217 Fort Johnson Rd. Charleston, SC 29412
Beaufort, NC	919-728-3595	Beaufort Laboratory, Pivers Island Beaufort, NC 28516
Seattle, WA	206-526-6150	Northwest Region, 7600 Sand Point Way, N.E. BIN C15700, Bldg. 1 Seattle, WA 98115
Seattle, WA	206-553-1872	Northwest Fisheries Science Center 2725 Montlake Boulevard, East Seattle, WA 98112
Long Beach, CA	310-980-4001	Southwest Region, 501 West Ocean Blvd., Suite 4200 Long Beach, CA 90802
La Jolla, CA	619-546-7000	Southwest Fisheries Science Center 8604 La Jolla Shores Dr., P.O. Box 271 La Jolla, CA 92038
Honolulu, HI	808-943-1221	Honolulu Laboratory, 2570 Dole St., P.O. Box 3830 Honolulu, HI 96812
Tiburon, CA	415-435-3149	Tiburon Laboratory, 3150 Paradise Dr. Tiburon, CA 94920
Monterey, CA	408-656-3311	Pacific Fisheries Environmental Group P.O. Box 831 Monterey, CA 93942
Juneau, AK	907-586-7221	Alaska Region, 9109 Mendenhall Mall Rd. Federal Bldg. Annex, Suite 6, P.O. Box 21668 Juneau, AK 99802
Seattle, WA	206-526-4000	Alaska Fisheries Science Center, 7600 Sand Point Way, N.E. BIN C15700, Bldg. 4 Seattle, WA 98115
Kodiak, AK	907-487-4961	Kodiak Investigations, P.O. Box 1638 Kodiak, AK 99615
Auke Bay, AK	907-789-6000	Auke Bay Laboratory, 11305 Glacier Highway Auke Bay, AK 99801

GENERAL ADMINISTRATIVE INFORMATION

NATIONAL MARINE FISHERIES SERVICE

NATIONAL FISHERY STATISTICS OFFICES

City	Telephone number	Name and address
		NORTHEAST REGION
NEW ENGLAND		
Portland	207-780-3322	Robert C. Morrill or Scott McNamara, Marine Trade Center, Suite 212, Two Portland Fish Pier Portland, ME 04101
Rockland	207-594-5969	Peter S. Marckoon, Federal Bldg., 21 Limerock St., Rm. 207, P.O. Box 708, Rockland, ME 04841
Boston	617-223-8012	Louis O'Donnel, 408 Atlantic Ave., Rm. 141, Boston, MA 02210
Boston	617-223-8015	Paul Sheahan, 408 Atlantic Ave., Rm. 141 Boston, MA 02210
Gloucester	508-281-9304	Vito P. Giacalone, Rm. 107, 1 Blackburn Dr. Gloucester, MA 01930
New Bedford	508-999-2452	Dennis E. Main, U.S. Custom House, 2nd and Williams Sts., New Bedford, MA 02740
New Bedford	508-994-9200	Paul O. Swain, Address same as above
Chatham	508-945-5961	Lorraine Spenle, 29C Stage Harbor Road Chatham, MA 02633
(1)Woods Hole	508-548-5123 Ext. 264	Ronnee L. Schultz, Northeast Fisheries Science Center, 166 Water St., Woods Hole, MA 02543
Newport	401-847-3115	Lori Rinkel, Post Office Bldg., Thames St., Newport, RI 02840
Pt. Judith	401-783-7797	Susan Murphy, 310 Great Island Rd., Rm. 203, P.O. Box 547, Pt. Judith, RI 02882
MIDDLE ATLANTIC		
New York	212-620-3505	Russell Meredith, Economics Data Office, Room 731 201 Varick Street, New York, NY 10014
East Hampton	516-324-5969	Erik Braun, 62 Newtown Lane, Suite 203, East Hampton, NY 11937
Patchogue	516-475-6988	Fred C. Blossom, 50 Maple Ave., Social Security Bldg., P.O. Box 606, Patchoque, L.I., NY 11772
Toms River	908-349-3533	Eugene A. LoVerde, 26 Main St., P.O. Box 143, Toms River, NJ 08754
Cape May	609-884-2113	Walt Makowski, 1382 Lafayette St., P.O. Box 624, Cape May, NJ 08204
CHESAPEAKE		
Greenbackville	804-824-4725	George E. Ward, Biological Lab., Franklin City, Greenbackville, VA 23356
Hampton	804-723-3369	Anthony Silvia, 1026 Settlers Landing Rd., Suite F, P.O. Box 436, Hampton, VA 23669
		SOUTHEAST REGION
SOUTH ATLANTIC		
(1)Beaufort	919-728-4168	Kenneth C. Harris, Beaufort Laboratory, 101 Piver Island Road, Beaufort, NC 28516
Manteo	919-473-5929	Glenwood P. Montgomery, Marine Resource Center, P.O. Box 967, Manteo, NC 27954
Charleston	803-762-1200	John C. DeVane, Jr., 217 Ft. Johnson Rd., P.O. Box 12607, James Island, SC 29412
Brunswick	912-265-7080	Richard F. Dumas, Federal Bldg., 801 Gloucester St., Rm. 302, Brunswick, GA 31520
New Smyrna Beach	904-427-6562	Claudia Dennis, 612 No. Ridge Wood Ave, Suite F, P.O. Box 2025, Edgewater, FL 32132
(1)Miami	305-361-4468	Guy S. Davenport, 75 Virginia Beach Dr., Miami, FL 33149
Tequesta	407-575-4461	Howard C. Schaefer, 19100 S.E. Federal Highway Tequesta, FL 33469

(Continued)

NATIONAL MARINE FISHERIES SERVICE

NATIONAL FISHERY STATISTICS OFFICES

City	Telephone number	Name and address
GULF		
Key West	305-294-1921	Edward J. Little, Jr., Post Office & Custom House Bldg., P.O. Box 269, Key West, FL 33040
Fort Myers	813-334-4364	Tom Herbert, 2000 Main St., Suite 409 Fort Myers, FL 33901
St. Petersburg	813-893-3151	Guy Pizutti, 9450 Koger Blvd., St. Petersburg, FL 33702
Panama City	904-234-6541	Deborah Fable, 3500 Delwood Beach Rd., Panama City, FL 32407
Bayou La Batre	205-824-4149	Horace M. Flowers, D&H Furniture Bldg., Second Floor 93 S. Wintzell Ave., P.O. Box 591, Bayou La Batre, AL 36509
Pascagoula	601-762-4591	Rene J. Labadens, Jr., 3209 Frederic St., Pascagoula Lab., P.O. Box Drawer 1207, Pascagoula, MS 39567
Cameron	318-542-4758	Karen Swank, South Cameron Medical Center, Route 1, Box 20-F, Creole, LA 70632
Golden Meadow	504-475-7072	Gary J. Rousse, 1614 So. Bayou Dr., Rm. 211, P.O. Box 623, Golden Meadow, LA 70357
Houma	504-872-3321	Kathleen M. Hebert, Post Office Bldg., 425 Lafayette St., Rm. 128, Houma, LA 70360
New Iberia	318-365-1558	Linda F. Picou, 705-A West Admiral Doyle Dr. New Iberia, LA 70560
(1) New Orleans	504-589-6153	Leryes "Lee" Usie, One Canal Place, Suite 2340, 365 Canal Street, New Orleans, LA 70130
Rockport	512-729-0189	Thomas N. Scott, Roy Spears, NMFS - Statistics P.O. Box 2259, Rockport, TX 78382
Brownsville/ Port Isabel	210-548-2516	Kit Doncaster or Edie Lopez, HC 70 Box 15, Brownville, TX 78521
Freeport	409-233-4551	Thomas R. Mauermann, 307 East Park, P.O. Box 2533, Freeport, TX 77541
(1) Galveston	409-766-3705	Margot Hightower or W. Keith Roberts 4700 Avenue U, Bldg. 308, Galveston, TX 77551
Port Arthur	409-727-2271	Donald B. Burton, Federal Bldg., 2875 75th St., Rm. 113, Port Arthur, TX 77640
		SOUTHWEST REGION
(1) Long Beach, CA or Honolulu, HI	310-980-4033	Patricia J. Donley, 501 West Ocean Boulevard, P.O. Box 32469, Long Beach, CA 90832
		NORTHWEST REGION
(1) Seattle	206-526-6128	John K. Bishop, 7600 Sand Point Way, N.E., Bldg., 1, BIN C15700, Seattle, WA 98115
		ALASKA REGION
(1) Juneau	907-586-7221	Galen R. Tromble, 9109 Mendenhall Mall Road, Federal Building Annex Suite 6, P.O. Box 21668, Juneau, AK 99802

(1) Regional or area headquarters for statistics offices.

NMFS Regional Offices
NMFS Fisheries Centers
Regional Fishery Management Councils

HDQS Locations

LIBRARY INFORMATION

The NOAA Library and Information Network Catalog (NOAALINC) is a CD-ROM microcomputer-based library catalog of more than one million books, technical reports, serials and microforms. The collection strengths include aquatic science, marine ecology, microbiology, oceanography, meteorology, climatology, chemistry, geology, remote sensing, hazardous wastes, pesticides, toxicology, pollution, and law.

NOAALINC implements a keyword searching strategy to locate information by author, title, subject, and call number. Records can be displayed using several display formats: brief, labeled, and full. Each bibliographic record indicates which library holds the item. NOAA personnel may borrow items by contacting the nearest NOAA Library or the NOAA Central Library at (301) 713-2600 or NOAA LIBRARY (OMNET). The general public should contact their local library.

The NOAALINC is available to anyone without restriction twenty-four hours a day, every day of the year. No account is required. To access the system via a personal computer and modem using ANSI emulation, dial (301) 770-7375 or 1-(800)-352-7281. Press <enter> at least twice to establish a "handshake." At the "USER ID" prompt, enter ANSI and follow instructions on screen. To quit, use your software communications exit procedure.

The NOAALINC workstations are also available to individuals who come into NOAA libraries and information centers.

Other library information is available from NOAA's Library, 1315 East-West Hwy., 2nd Floor, Silver Spring, MD 20910. Telephone: 301-713-2600

PUBLICATIONS AVAILABLE FROM U.S. GOVERNMENT PRINTING OFFICE

STATISTICAL REPORTS

003-020-00161-1 Fisheries of the United States, 1990 . . .$6.50

003-020-00162--9 Fisheries of the United States, 1991 . . .$7.50

MISCELLANEOUS REPORTS

003-009-00547-7 United States Industrial Outlook 1993: Business Forecasts for 350 Industries . . .$37.00

MARINE LIFE POSTERS

(printed on washable non-glare plasticized paper)

003-020-00055-0 Marine Fishes of the California Current and adjacent waters . . .$5.50

003-020-00069-0 Fishes of the Great Lakes . . .$8.00

To purchase publications listed above (Advance Payment Required), call or write:

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20202
202-783-3238

PUBLICATIONS

PUBLICATIONS AVAILABLE FROM NATIONAL MARINE FISHERIES SERVICE AND NATIONAL TECHNICAL INFORMATION SERVICE (NTIS) U.S. DEPARTMENT OF COMMERCE

SCIENTIFIC PUBLICATIONS:

Information on formal scientific publications by NMFS (such as NMFS journals and technical publications) may be obtained from the Scientific Publications Office (F/NWR1), 7600 Sand Point Way, N.E., BIN C-15700, Seattle, WA 98115.
Telephone: 206-526-6107

CURRENT FISHERY STATISTICS (CFS) SERIES:

The reports listed below are in the Current Fishery Statistics (CFS) series. They are statistical bulletins on marine recreational fishing, commercial fishing, and on the manufacture and commerce of fishery products. For further information or to obtain a subscription to these publications, contact the office shown below:

NOAA, National Marine Fisheries Service
Fisheries Statistics Division (F/RE1)
1335 East-West Highway, Room 8313
Silver Spring, MD 20910
Telephone: 301-713-2328

Marine recreational fishing publications are released annually. If you wish a copy of the following publications, check the designated space ( ) and return to the Office shown above.

( ) Marine Recreational Fishery Statistics Survey, Atlantic and Gulf Coasts, 1987-1989, C.F.S. No. 8904

( ) Marine Recreational Fishery Statistics Survey, Pacific Coast, 1986, C.F.S. No. 8393

( ) Marine Recreational Fishery Statistics Survey, Atlantic and Gulf Coasts, 1986, C.F.S. No. 8392

( ) Marine Recreational Fishery Statistics Survey, Atlantic and Gulf Coasts, 1983-1984, C.F.S. No. 8326

( ) Marine Recreational Fishery Statistics Survey, Pacific Coast, 1983-1984, C.F.S. No. 8325

( ) Marine Recreational Fishery Statistics Survey, Pacific Coast, 1981-1982, C.F.S. No. 8323

( ) Marine Recreational Fishery Statistics Survey, Atlantic and Gulf Coasts, 1979 (Revised)-1980, C.F.S. No. 8322

( ) Marine Recreational Fishery Statistics Survey, Pacific Coast, 1979-1980, C.F.S. No. 8321

The bulletins shown below cover freezings and holdings, the production of various processed products, and the U.S. foreign trade in fishery products. The following are available annually:

( ) FF - Frozen Fishery Products
( ) MF - Processed Fishery Products
( ) Imports and Exports of Fishery Products

The following publication is only available quarterly.

( ) Fish Meal and Oil

OTHER PUBLICATIONS:

All publications listed below may be obtained from NTIS (address and phone number listed on page 104) or the originating office (code follows in parentheses). Copies are available only as long as supply lasts.

( ) Available Foreign Fishery Reports, 1984-1992. Covering 59 Countries and Regions. (F/IA2)

( ) Endangered Species Act, Biennial Report, Status of Recovery Program, FY 1989-1991. (F/PR)

( ) Fishery Management Plan for Sharks of the Atlantic Ocean. (F/CM)

( ) Magnuson Fishery Conservation and Management Act, As Amended through November 28, 1990. (F/CM)

( ) Marine Mammal Protection Act, Annual Report. (F/PR)

( ) Our Living Oceans - The First Annual Report on the Status of U.S. Living Marine Resources. (F/RE)

( ) Our Living Oceans - Report on The Status of U.S. Living Marine Resources, 1992. (F/RE)

( ) Strategic Plan of the National Marine Fisheries Service. (F)

( ) The Saltonstall-Kennedy Grant Program: Fisheries Research and Development. (F/TS)

( ) The Saltonstall-Kennedy Grant Program: Fisheries Research and Development -- Annotated Bibliography. (F/TS)

( ) USDC Approved List of Fish Establishments and Products – Semi-Annual Report. (National Seafood Inspection Laboratory, Pascagoula, MS).

Aquaculture and Capture Fisheries: Impacts in U.S. Seafood Markets (NTIS No. PB-88-204185/GBA)

Available Foreign Fisheries Market Reports, 1976-1983 (NTIS No. ITA-83-02-010/GBA)

Developments of Value Added, Margin and Expenditures for Marine Fishery Products (NTIS No. PB-89-125108)

Recovery Plan for the Steller Sea Lion (*Eumetopias jubatus*). Prepared by the Steller Sea Lion Recovery Team for the National Marine Fisheries Service. 1992. Silver Spring, Maryland. 92 pp. (F/PR)

Recovery Plan for Leatherback Turtles in the U.S. Caribbean, Atlantic, and Gulf of Mexico. National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1992. Washington, D.C. (F/PR)

Recovery Plan for the Northern Right Whale (*Eubalaena glacialis*). Prepared by the Right Whale Recovery Team for the National Marine Fisheries Service, 1991. 1992. Silver Spring, Maryland. 86 pp. (F/PR)

Recovery Plan for the Humpback (*Megaptera novaeangliae*). Prepared by the Humpback Whale Recovery Team for the National Marine Fisheries Service, 1991, 1992. Silver Spring, Maryland. 105 pp. (F/PR)

Recovery Plan for U.S. Population of Atlantic Green Turtle. National Marine Fisheries Service, and Fish and Wildlife Service. 1991. Washington, D.C. (F/PR)

Marine Mammal Strandings in the United States: Proceedings of the Second Marine Mammal Stranding Workshop, 1987. 1991. Reynolds, John E., III and Daniel K. Odell, (editors). NOAA Technical Report NMFS 98. 157 pp. (F/PR)

Processors and Wholesale Dealers of Fishery Products in the United States, 1991 (Shows firms name, address, and major products) (NTIS No. PB-93-174282).

COMMERCIAL FISHERIES

Fisheries of the United States is a preliminary report with historical comparisons on the Nation's fishing, fish processing, and foreign trade in fishery products. The following reports are available through NTIS (see page 104).

Year	Accession No.	Year	Accession No.
1966	COM-75-10662	1979	PB-80-201593
1967	COM-75-10663	1980	PB-81-241648
1968	COM-75-10664	1981	PB-82-215542
1969	COM-75-10665	1982	PB-83-216473
1970	COM-71-50081	1983	PB-84-195148
1971	COM-75-10666	1984	PB-86-144953
1972	COM-73-50644	1985	PB-87-143145
1973	COM-74-50546	1986	PB-88-164132
1974	COM-75-10862	1987	PB-88-215173
1975	PB-253966	1988	PB-89-216485
1976	PB-268662	1989	PB-91-129320
1977	PB-282741	1990	PB-92-174523/AS
1978	PB-297083	1991	PB-92-204536/AS

Fisheries Statistics of the United States (Statistical Digest) is a final report on the Nation's commercial fisheries showing more detail than *Fisheries of the United States.*

Year	Accession No.	Year	Accession No.
1939	COM-75-11265	1959	COM-75-11062
1940	COM-75-11266	1960	COM-75-11063
1941	COM-75-11267	1961	COM-75-11064
1942	COM-75-11268	1962	COM-75-11065
1943	COM-75-11269	1963	COM-75-11066
1944	COM-75-11270	1964	COM-75-11067
1945	COM-75-11271	1965	COM-75-11068
1946	COM-75-11272	1966	PB-246429
1947	COM-75-11273	1967	PB-246430
1948	COM-75-11274	1968	COM-72-50249
1949	COM-75-11275	1969	COM-75-10887
1950	COM-75-11056	1970	COM-75-10643
1951	COM-75-11053	1971	COM-74-51227
1952	COM-75-11054	1972	COM-75-11430
1953	COM-75-11055	1973	PB-262058
1954	COM-75-11057	1974	PB-277796
1955	COM-75-11058	1975	PB-300625
1956	COM-75-11059	1976	PB-81-163438
1957	COM-75-11060	1977	PB-84-192038
1958	COM-75-11061		

HISTORICAL REPORTS

Historical Catch Statistics is a series of publications reporting catch of certain species in the United States for historical purposes. The following reports are available through NTIS (see page 104).

Atlantic and Gulf Coast States, 1879 - 1989. Current Fisheries Statistics No. 9010 - Historical Series Nos. 5-9 Revised. Report covers total landings for major species, by state and by region. (NTIS No. PB-93-174266).

Atlantic and Gulf Coast States, 1950 - 1991. Current Fisheries Statistics No. 9210 - Historical Series No. 10-Revised. Report covers landings and value of major species, by Region. (NTIS No. PB-93-174274).

IMPORTS AND EXPORTS of Fishery Products, Annual Summary

1982	PB-92-218635	1984	PB-92-214972
1983	PB-92-218643	1985	PB-92-222280
1986	PB-92-228196	1989	PB-92-222264
1987	PB-92-228055	1990	PB-92-222256
1988	PB-92-222272	1991	PB-92-221803

MARINE RECREATIONAL FISHING

1970 Salt-Water Angling Survey, PB-265416.

Determination of the Number of Commercial and Non-Commercial Recreational Boats in the United States, Their Use, and Selected Characteristics, COM-74-11186.

Participation in Marine Fishing:

Northeastern United States, 1973-74, COM-75-10655.
Southeastern United States, 1974, PB-273160.

MARINE RECREATIONAL FISHERY STATISTICS SURVEY:

Atlantic and Gulf Coasts:

1979-80	PB-84-199652
1979 (Revised)-1980	PB-89-102552
1981-1982	PB-89-102560
1983-1984	PB-89-102628
1985	PB-89-102669
1986	PB-89-102701
1987-1989	PB-92-174820

Pacific Coast:

1981-1982	PB-89-102925/AS
1983-1984	PB-89-102933/AS
1985	PB-89-102941/AS
1986	PB-89-102958/AS

PROCESSED FISHERY PRODUCTS -- Annual Summary

1979	PB-89-215248/AS	1984	PB-89-215297/AS
1980	PB-89-215255/AS	1985	PB-89-215305/AS
1981	PB-89-215263/AS	1986	PB-89-215313/AS
1982	PB-89-215289/AS	1987	PB-92-172956
1983	PB-89-215271/AS	1988	PB-92-204528/AS

STATE LANDINGS

Maine: 1946-76, PB-271-296; 1977-79, PB-128258.
Massachusetts: 1943-76, PB-275866; 1977-79, PB-81-143182.
Rhode Island: 1954-77; PB-287627; 1978-79, PB-81-157158.
New York: 1954-76, PB-275449; 1977-79, PB-81-134546.
New Jersey: 1952-76, PB-275696; 1977-79, PB-81-159048.
Maryland: 1960-76, PB-300636; 1977-79, PB-81-159003.
Virginia: 1960-76, PB-300637; 1977-79, PB-82-151960.
North Carolina: 1955-76, PB-288928; 1977-79, PB-82-151978.
South Carolina: 1957-76, PB-289405; 1977-79, PB-81-163198.
Georgia: 1956-76, PB-289814; 1977-79, PB-81-157166.
Florida: 1950-76, PB-292068.
Alabama: 1950-77, PB-80-121262; 1978, PB-82-168071.
Mississippi: 1951-77, PB-80-121270; 1978, PB-82-169079.
Louisiana: 1957-77, PB-300583; 1978, PB-82-168063.

Texas: 1949-77, PB-300603; 1978-79, PB-82-169004.
Shrimp Landings: 1956-76, PB-80-124696; 1978-79, PB-82-156183.
Gulf Coast Shrimp Data: 1958-76, PB-80-126899; 1978-79, PB-82-170390.

NORTHEAST REGION

Factors Influencing Spring Distribution, Availability, and Recreational Catch of Atlantic Mackerel in the Middle Atlantic and Southern New England Regions. Overholtz, William J., Reed S. Armstrong, David G. Mountain, and Mark Terceiro. August 1991. iii + 13 p. (NTIS No. PB-92-160209)

Seasonal Distribution Patterns of Commercial Landings of 45 Species off the Northeastern United States during 1977-88. Chang, Sukwoo. October 1990. v + 130 p. (NTIS No. PB-91-160846)

Status of Fishery Resources off the Northeastern United States for 1992. Conservation & Utilization Division, Northeast Fisheries Science Center. October 1992. iv + 133 p. (NTIS No. PB-93-144103).

USA Historical Catch Data, 1904-82, for Major Georges Bank Fisheries. Lange, Anne M.T., and Joan E. Palmer. May 1985. iii + 21 p. (NTIS No. PB-85-233948/AS).

SOUTHEAST REGION

Accomplishments under the National Marine Fisheries Service Habitat Conservation Policy - Fiscal Year 1991, Southeast Region. Southeast Regional Office. 1992. 63 p. (F/SER)

An Angler Conservation Education Plan for the Southeastern United States. Angler Conservation Education Task Force. Southeast Regional Office. December 1992. 76 p. (F/SER)

National Marine Fisheries Service Guidelines for Proposed Wetland Alteration in the Southeastern United States. Habitat Conservation Division. Southeast Regional Office. March 1992. 17 p. (F/SER)

Our Blue Ocean Is Becoming Pink, Yellow, White, and Green. (F/SEC).

The 5 Sea Turtle Species of the Atlantic and Gulf Coast of the United States, (F/SEC).

Status of Fishery Resources Off The Southeastern United States for 1991 (F/SEC).

SOUTHWEST REGION

A global perspective on artificial reefs and fish aggregating devices. In Indo-Pacific Fishery Commission (IPFC), Proceedings of the Symposium on Artificial Reefs and Fish Aggregating Devices as Tools for the Management and Enhancement of Marine Fishery Resources, Colombo, Sri Lanka, 14-17 May 1990, Regional Office for Asia and the Pacific (RAPA), Food and Agriculture Organization of the United States, Bangkok. (F/SWC)

Assessment of biological impacts of artificial reefs and FADs. In Indo-Pacific Fishery Commission (IPFC), Proceedings of the Symposium on Artificial Reefs and Fish Aggregating Devices as Tools for the Management and Enhancement of Marine Fishery Resources,

Colombo, Sri Lanka, 14-17 May 1990, Regional office for Asia and the Pacific (RAPA), Food and Agriculture Organization of the United States, Bangkok. (F/SWC)

California's Living Marine Resources and their Utilization. Leet, William S., Christopher M. Dewees, and Charles W. Haugen, (editors). February 1993. (UCSGEP-92-12). Sea Grant Extension Program, Department of Wildlife and Fisheries Biology, University of California, Davis, CA 95616-8751.

Japan's Mackerel Market. Sonu, Sunee C., September 1992. (NOAA-TM-NMFS-SWR-027). (F/SWR)

NORTHWEST REGION

A Comparative Study Using Multiple Indices to Measure Changes in Quality of Pink and Coho Salmon During Fresh and Frozen Storage. Barnett, H.J., R.W. Nelson, and F.T. Poysky. 1991. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-F/NWC-208. (NTIS No. PB-92-115948).

Bioindicators of Contaminant Exposure, Liver Pathology, and Reproductive Development in Prespawning Female Winter Flounder (*Pleuronectes americanus*) from Urban and Nonurban Estuaries on the Northeast Atlantic Coast. Johnson, L.L., J.E. Stein, T.K. Collier, E.Casillas, B. McCain, and U. Varanasi. 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-NWFSC-1 (NTIS No. PB-93-105633).

Characterization and Frozen Storage Stability of Cod Mince Subjected to Mechanical Separation of "Sealworms" or "Codworms". Reppond, K.D., and J.K. Babbitt. 1991. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-193. (NTIS No. PB-91-170266).

Control of Disease in Aquaculture: Proceedings of the Nineteenth U.S.-Japan Meeting on Aquaculture, Ise, Mie Prefecture, Japan, 29-30 October 1990. Svrjcek, R.S. (editor). 1992. U.S. Dept. of Commerce. NOAA Tech. Rept. NMFS-111. (NTIS No. PB-93-132496).

Definition of "Species" Under the Endangered Species Act: Application to Pacific Salmon. Waples, R.S. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-194. (NTIS No. PB-91-170274).

Determining Minimum Viable Populations Under the Endangered Species Act. Thompson, G.G. 1991. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-198. (NTIS No. PB-91-218123).

Effect of Washing on the Stability of Walleye Pollock Surimi during Frozen Storage. Reppond, K.D., and J.K. Babbitt. 1991. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-192. 21 p. (NTIS No. PB-91-169979).

Genetic Marking and Ocean Farming. In A.K. Sparks (editor), Marine Farming and Enhancement: Proceedings of the Fifteenth U.S.-Japan Meeting on Aquaculture, Kyoto, Japan, 22-23 October 1986. Utter, F.M., and J.E. Seeb. 1990. U.S. Dept. of Commerce. NOAA Tech. Rept. NMFS-85. (NTIS No. PB-90-257346).

Genetics in Aquaculture. Proceedings of the Sixteenth U.S.-Japan Meeting on Aquaculture, Charleston, South Carolina, 20-21 October 1987. Svrjcek, R.S. (editor). 1990. U.S. Dept. of Commerce. NOAA Tech. Rept. NMFS-92. (NTIS No. PB-91-125521).

Intraorgan Distribution of Chemical Contaminants in Tissues of Harbor Porpoises (*Phoecoena phocoena*) from the Northwest Atlantic. Stein, J.E., K.L. Tilbury, D.W. Brown, C.A. Wigren, J.P. Meador, P.A. Robisch, S-L. Chan, and U. Varanasi. 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-NWFSC-3 (NTIS No. PB-93-157139).

Marine Ranching: Proceedings of the Eighteenth U.S.-Japan Meeting on Aquaculture, Port Ludlow, Washington, 18-19 September 1989. Svrjcek, R.S. (editor). 1992. U.S. Dept. of Commerce. NOAA Tech. Rept. NMFS-106. (NTIS No. PB-92-176593).

Marine Ranching: Proceedings of the Seventeenth U.S.-Japan Meeting on Aquaculture, Ise, Mie Prefecture, Japan, 16-18 October 1988. Svrjcek, R.S. (editor). 1991. U.S. Dept. of Commerce. NOAA Tech. Rept. NMFS-102. (NTIS No. PB-91-227785).

National Status and Trends Program, National Benthic Surveillance Project: Northeast Coast, Fish Histopathology and Relationships between Lesions and Chemical Contaminants (1987-89). Johnson, L.L., C.M. Stehr, O.P. Olson, M.S. Myers, S.M. Pierce, B.B. McCain, and U. Varanasi. 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-NWFSC-4. (NTIS No. PB-93-157147).

Pacific Salmon and Artificial Propagation Under the Endangered Species Act. Hard, J.J., R.P. Jones, Jr., M.R. Delarm, and R.S. Waples. 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-NWFSC-2. (NTIS No. PB-93-127439).

Status and Future of Spring Chinook Salmon in the Columbia River Basin--Conservation and Enhancement. Proceedings of the Spring Chinook Salmon Workshop, 8-9 November 1989. Park, D.L. (convener). 1990. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-F/NWC-187. (NTIS No. PB-91-104984).

Status Review for Lower Columbia River Coho Salmon. Johnson, O.W., T.A. Flagg, D.J. Maynard, G.B. Milner, and F.W. Waknitz. 1991. NOAA Tech. Memo. U.S. Dept. of Commerce. NMFS-F/NWC-202. (NTIS No. PB-91-218214).

Status Review for Snake River Fall Chinook Salmon. Waples, R.S., R.P. Jones, Jr., B.R. Beckman, and G.A. Swan. 1991. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-F/NWC-201. (NTIS No. PB-91-218222).

Status Review for Snake River Sockeye Salmon. Waples, R.S., O.W. Johnson, and R.P. Jones, Jr. 1991. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-F/NWC-195. (NTIS No. PB-91-176420).

Status Review for Snake River Spring and Summer Chinook Salmon. Matthews, G.M., and R.S. Waples. 1991. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-F/NWC-200. (NTIS No. PB-91-218065).

Survey of Subsistence Fish and Shellfish for Exposure to Oil Spilled from the Exxon Valdez: First Year: 1989. Varanasi, U., S-L. Chan, W.D. MacLeod, J.E. Stein, D.W. Brown, D.G. Burrows, K.L. Tilbury, J.T. Landahl, C.A. Wigren, T. Hom, and S.M. Pierce. 1990. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-F/NWC-191. (NTIS No. PB-91-152132).

ALASKA REGION

Aerial and Ship-based Surveys of Steller Sea Lions *(Eumetopias jubatus)* in Southeast Alaska, the Gulf of Alaska, and Aleutian Islands during June and July 1991. Merrick, R.L., D.G. Calkins, and D.C. McAllister. 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-AFSC-1. 41 p. (NTIS No. PB-92-235928).

Bottom Trawl Survey of the Eastern Bering Sea Continental Shelf, 1989. Wilson, M.T., and C.E. Armistead. 1991. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-212. 372 p. (NTIS No. PB-92-135607).

Bottom Trawl Survey of the Eastern Bering Sea Continental Shelf, 1990. Armistead, C.E., and D.G. Nichol. 1993. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-AFSC-7. 190 p. (NTIS No. PB-93-156677/LL).

Distribution, Abundance, and Biological Characteristics of Groundfish in the Eastern Bering Sea based on Results of U.S.-Japan Bottom Trawl and Midwater Surveys during June-September, 1988. Bakkala, R.G., W.A. Karp, G.F. Walters, T. Sasaki, M.T. Wilson, T.M. Sample, A.M. Shimada, D. Adams, and C.E. Armistead. 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-213. 372 p. (NTIS No. PB-92-174275).

Economic Status of the Groundfish Fisheries off Alaska, 1990. Kinoshita, R.K., B.M.K. Brooke, L.E. Queirolo, and J.M. Terry. 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-215. 99 p. (NTIS No. PB-92-187699).

Fur Seal Investigations, 1990. Kajimura, H., and E. Sinclair (editors). 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-AFSC-2. 192 p. (NTIS No. PB-93-109080).

Geographic and Bathymetric Distributions for many Commercially Important Fishes and Shellfishes off the West Coast of North America, based on Research Survey and Commercial Catch Data, 1912-84. Wolotira, R.J., Jr., T.M. Sample, S.F. Noel, and C.R. Iten. 1993. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS-AFSC-6. 184 p. (NTIS No. PB-93-167682/LL).

PUBLICATIONS

Hydrocarbons in Intertidal Sediments and Mussels from Prince William Sound, Alaska, 1977-1980: Characterization and Probable Sources. Karinen, J.F., M.M. Babcock, D.W. Brown, W.D. Macleod, Jr., L.S. Ramos, and J.W. Short. 1993. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS AFSC-9. 69 p. (NTIS No. PB-93-159093).

Impacts of Oil Pollution and Prince William Sound Studies: Bibliography of 1960-91 Publications and Reports, Auke Bay Laboratory. Johnson, P.A., S.D. Rice, and M.M. Babcock (compilers). 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS AFSC-3. 98 p. (NTIS No. PB-93-114064).

Northern Fur Seal Research Techniques Manual. Antonelis, G. 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-214. 47 p. (NTIS No. PB-92-191824).

Oregon, Washington, and Alaska Exports of Edible Fishery Products, 1991. Kinoshita, R.K., and J.M. Terry. 1993. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS AFSC-10. 47 p. (NTIS No. PB-93-159101).

Relative Abundance of Gulf of Alaska Sablefish and other Groundfish based on National Marine Fisheries Service Longline Surveys, 1988-90. Zenger, H.H., Jr., and M.F. Sigler. 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-216. 103 p. (NTIS No. PB-92-222843).

Status of Living Marine Resources off Alaska as Assessed in 1991. Low, L-L. (editor). 1991. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-211. 95 p. (NTIS No. PB-92-145713).

Status of Living Marine Resources off the Pacific Coast of the United States as Assessed in 1991. Low, L-L. (editor). 1991. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS F/NWC-210. 69 p. (NTIS No. PB-92-145705).

Summary of Observer Sampling of Domestic Groundfish Fisheries in the Northeast Pacific Ocean and Eastern Bering Sea, 1990. Guttormsen, M., R. Narita, J. Gharrett, G. Tromble, and J. Berger. 1992. U.S. Dept.of Commerce. NOAA Tech. Memo. NMFS AFSC-5. 281 p. (NTIS No. PB-92-159085).

Summary of U.S. Observer Sampling of Joint Venture Fisheries in the Northeast Pacific Ocean and Eastern Bering Sea, 1990. Guttormsen, M., R. Narita, and J.Berger. 1992. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS AFSC-4. 78 p. (NTIS No. PB-93-127546).

Winter Oceanographic Conditions in the Eastern Gulf of Alaska, January-February 1986. Wing, B.L. 1993. U.S. Dept. of Commerce. NOAA Tech. Memo. NMFS AFSC-8. 53 p. (NTIS No. PB-93-158335).

To purchase the preceding reports listed with NTIS, call or write:

NTIS
ATTN: Order Desk
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

INTERNATIONAL FISHERY REPORTS:

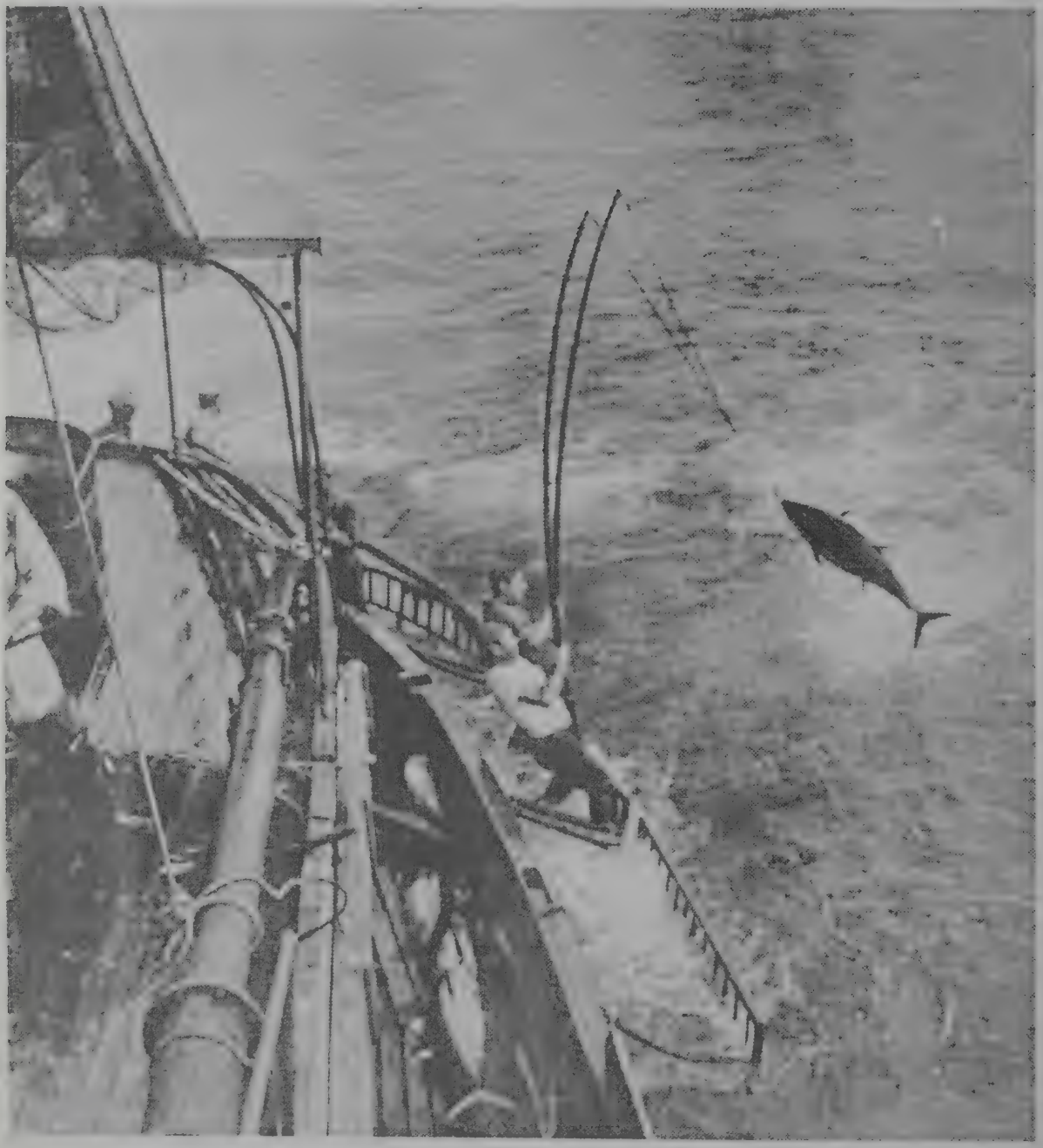
The NMFS Office of International Affairs prepares about 100 ***International Fishery Reports*** (IFRs) annually describing foreign fishery developments. The reports generally concentrate on Mexico, Canada, the European Community, and Japan, but many other countries are covered as well. Topics include major species (shrimp, salmon, and others), country overviews, agreements, trade, aquaculture, and other topics. The 1991-92 research program focused heavily on shrimp aquaculture; reports are available on the shrimp culture industries of China, Thailand, Ecuador, and most other important world producers. Other major reports deal with Mexican shrimp, Alaska pollock, U.S. fisheries trade with various countries, and joint venture in salmon hatcheries between Russia and Japan.

MARKET NEWS INFORMATION:

The National Marine Fisheries Service collects market information at principal ports around the nation. Depending on the fishery and region, weekly, monthly, or seasonal statistics and information on ex-vessel landings and prices; wholesale prices; cold storage holdings; U.S. trade, and trade leads are published three times a week in the ***NMFS Market News Report.*** Also published are similar statistics for the Japanese market and information on changes in Federal Fish Management Regulations.

The information listed above is distributed for NMFS under contract by a private publishing company. Interested individuals or companies can obtain a list of available reports, information, and prices by contacting:

Urner Barry Company
P. O. Box 389
Toms River, NJ 08754
Telephone: 908-240-5330 or 1-800-932-0671
FAX: 908-341-0891



TRADE AND INDUSTRY SERVICES

The National Marine Fisheries Service conducts activities designed to improve the competitiveness of the U.S. fishing industry in domestic and world markets and to enhance the safety and quality of U.S. seafood products. Programs include: (1) identification of U.S. industry trade issues and problems, and advising U.S. agencies on fishery matters affecting trade; (2) financial assistance in the form of loan guarantees, insurance programs, a capital construction fund, and research and development grants; (3) administration of fishery product inspection and grading, and product standard programs; (4) research and development on product safety, quality, and use; and (5) advice to the U.S. Department of Agriculture on the use of its Surplus Commodity Program and export financing programs for fishery products.

CENTRAL OFFICE

Director
Office of Trade and Industry Services
1335 East-West Highway
Silver Spring, MD 20910
(301) 713-2351
FAX: (301) 588-4853

Chief
Trade Services Division
Address same as above
(301) 713-2379

Chief
Financial Services Division
Address same as above
(301) 713-2390

Chief
Utilization Research and Services Division
Address same as above
(301) 713-2358

Chief
Inspection Services Division
Address same as above
(301) 713-2355

NORTHEAST REGION

Chief
Fisheries Analysis Division
1 Blackburn Dr.
Gloucester, MA 01930
(508) 281-9232
FAX: (508) 281-9333

Chief
Financial Services Branch
Address same as above
(508) 281-9203

SOUTHEAST REGION

Chief
Economics and Trade Analysis Division
9450 Koger Blvd.
St. Petersburg, FL 33702
(813) 893-3830
FAX: (813) 893-3111

SOUTHEAST REGION - CONTINUED:

Chief
Financial Services Branch
9450 Koger Blvd.
(813) 893-3148
FAX: (813) 893-3458

NORTHWEST REGION

Chief
Trade and Industry Services Division
7600 Sand Point Way N.E.
BIN C15700 (Building 1)
Seattle, WA 98115
(206) 526-6117
FAX: (206) 526-6544

Chief
Financial Services Branch
(Pacific Coast Area)
Address same as above
(206) 526-6122
FAX: (206) 526-6306

SOUTHWEST REGION

Chief
Fisheries Management Division
501 W. Ocean Blvd., Suite 4200
Long Beach, CA 90802
(310) 980-4030
FAX: (310) 980-4047

International Trade Specialist
Development Section
Address same as above
(310) 980-4038

ALASKA REGION

Fisheries Development Specialist
International Affairs Officer
P.O. Box 21668
Juneau, AK 99802
(907) 586-7224
FAX: (907) 586-7131

SEA GRANT MARINE ADVISORY SERVICE

The Office of Sea Grant is a major program element of the National Oceanic and Atmospheric Administration. The National Sea Grant College Program is funded jointly by the Federal Government and colleges or universities. Sea Grant's Marine Advisory Service offers a broad range of information to recreational and commercial fishermen, fish processors, and others concerning the Nation's fisheries. The following program leaders can provide information on Sea Grant Activities:

William Hosking, Coordinator
Alabama Sea Grant Extension
Auburn University Marine
Extension & Research Center
4170 Commander's Drive
Mobile, AL 36615
(205) 438-5690

Donald E. Kramer, Leader
Alaska Marine Advisory
Program, Suite 220
2221 East Northern Lights Blvd.,
P.O. Box 103160
Anchorage, AK 99508
(907) 274-9691

Dr. Christopher DeWees
Sea Grant Extension Program
Department of Wildlife
and Fisheries
Univ. of California @ Davis
Davis, CA 95616
(916) 752-1497

James Fawcett, Director, MAS
Univ. of Southern California
Sea Grant - University Park
Los Angeles, CA 90089
(213) 743-5904

Norman Bender, Program Leader
Sea Grant Co-op Ext. Service
Marine Science Institute
University of Connecticut
Groton, CT 06340
(203) 445-3458

Dr. Kent Price, Leader
Sea Grant Marine Advisory
Service
College of Marine Studies
University of Delaware
Lewes, DE 19958
(302) 645-4256

Marion L. Clarke, Director
Sea Grant Extension Program
University of Florida
117 Newins - Ziegler Hall
Gainesville, FL 32611
(904) 392-1837

Dave Harrington, Assoc. Dir.
Marine Extension Service
University of Georgia
P.O.Box 2
Brunswick, GA 31523
(912) 264-7268

Bruce Miller, Director
Sea Grant Extension Service
University of Hawaii
1000 Pope Road, Room 217
Honolulu, HI 06822
(808) 948-8191

Joseph O'Leary, Coordinator
Illinois - Indiana Sea Grant
Department of Forestry and
Natural Resources
Purdue University
West Lafayette, IN 47907
(317) 494-3622

Michael Liffman, Director
Marine Advisory Service
Center for Wetland Resources
Louisiana State University
Baton Rouge, LA 70803
(504) 388-6345

David Dow, Program Leader
Sea Grant Marine Adv. Program
University of Maine
Coburn Hall
Orono, ME 04469
(207) 581-1443

Dr. Douglas Lipton, Leader
Maryland Sea Grant Extension
1200 Symons Hall
University of Maryland
College Park, MD 20742
(301) 454-4848

Norm Doelling, Exec. Director
MIT Sea Grant Program
Mass. Inst. of Technology
77 Massachusetts Avenue
Building E38-330
Cambridge, MA 02139
(617) 253-7135

Allen White
Marine Science Advisory Program
Woods Hole Ocean. Institute
Woods Hole, MA 02543
(508) 548-1400

John Schwartz, Program Leader
Sea Grant Extension Service
Michigan State University
334 Natural Resource Building
East Lansing, MI 48824
(517) 353-9568

Dale Baker, Director
Sea Grant Extension Program
University of Minnesota
208 Washburn Hall
Duluth, MN 55812
(218) 726-8106

David Veal, Program Leader
Sea Grant Advisory Service
Coastal Research - Extension
Center
2710 Beach Blvd., 1-E
Biloxi, MS 39531
(601) 388-4710

Brian Doyle, Program Leader
Sea Grant Marine Advisory Program
University of New Hampshire
Kingman Farm
Durham, NH 03824
(603) 749-1565

Alex Wypzyinski, Director
Sea Grant Extension Service
Rutgers University
P.O. Box 231, Cook College
New Brunswick, NJ 08903
(908) 932-3636

Michael Voiland, Program Leader
Sea Grant Extension Program
31 Robert Hall
Cornell University
Ithaca, NY 14853
(607) 255-2832

James Murray, Director
Marine Advisory Service
North Carolina State University
105 1911 Building
Raliegh, NC 27695
(919) 737-2454

Dr. Leroy Hushak
Ohio Sea Grant Advisory Service
1541 Research Center
1314 Kinneal Rd.
Columbus, OH 43210
(614) 292-8949

SEA GRANT MARINE ADVISORY SERVICE

Bruce De Young, Head
Extension - Sea Grant Program
Oregon State University
208 Ballard Extension Hall
Corvallis, OR 97331
(503) 737-0702

Ruperto Chaparro
MAS Program Leader
University of Puerto Rico
Department of Marine Sciences
Mayaguez, PR 00708
(809) 834-4040, Ext. 3439, 3447

Holly Turton, Coordinator
URI Marine Advisory Service
University of R.I., S. Ferry Rd.
Narragansett Bay-Watkins Building
Narragansett, RI 02882
(401) 792-6211

Bob Bacon, Outreach Coordinator
Clemson - Sea Grant Marine
Extension Program
287 Meeting Street
Charleston, SC 29401
(803) 727-2078

Mike Hightower, Director
Sea Grant Extension Program
Texas A&M University
College Station, TX 77843
(409) 845-3854

William DuPaul, Coordinator
Sea Grant Marine Advisory Service
Virginia Inst. of Marine Science
Gloucester Point, VA 23062
(804) 642-7163

Michael S. Spranger, Pro. Leader
Marine Advisory Service
Washington Sea Grant Program
University of Washington
3716 Brooklyn Avenue, N.E.
Seattle, WA 98105
(206) 583-6600

Allen Miller, Coordinator
Sea Grant Advisory Service
University of Wisconsin-Madison
1800 University Avenue
Madison, WI 53705
(608) 262-0644

National Sea Grant Depository

(Clearing house for all Sea Grant Publications)

Pell Library
University of Rhode Island
Bay Campus
Narragansett, RI 02882
(401) 792-6114

GLOSSARY

ANADROMOUS SPECIES. These are species of fish that mature in the ocean, and then ascend streams to spawn in freshwater. In the Magnuson Act, these species include, but are not limited to, Atlantic and Pacific salmons, steelhead trout, and striped bass. See 42 FR 60682, Nov. 28, 1977.

ANALOG PRODUCTS. These include imitation and simulated crab, lobster, shrimp, scallops, and other fish and shellfish products fabricated from processed fish meat (such as surimi).

AQUACULTURE. The farming of aquatic organisms in marine, brackish or freshwater. Farming implies private or corporate ownership of the organism and enhancement of production by stocking, feeding, providing protection from predators or other management measures. Aquaculture production is reported as the weight and value of cultured organisms at their point of final sale.

BATTER-COATED FISH PRODUCTS. Sticks and portions or other forms of fish or shellfish coated with a batter containing a leavening agent and mixture of cereal products, flavoring, and other ingredients, and partially cooked in hot oil a short time to expand and set the batter.

BOAT, OTHER. Commercial fishing craft not powered by a motor, e.g., rowboat or sailboat, having a capacity of less than 5 net tons. See motorboat.

BREADED FISH PRODUCTS. Sticks and portions or other forms of fish or shellfish coated with a non-leavened mixture containing cereal products, flavorings, and other ingredients. Breaded products are sold raw or partially cooked.

BREADED SHRIMP. Peeled shrimp coated with breading. The product may be identified as fantail (butterfly) and round, with or without tail fins and last shell segment; also known as portions, sticks, steaks, etc., when prepared from a composite unit of two or more shrimp pieces whole shrimp or a combination of both without fins or shells.

BUTTERFLY FILLET. Two skin-on fillets of a fish joined together by the belly skin. See fillets.

CANNED FISHERY PRODUCTS. Fish, shellfish, or other aquatic animals packed in cans, or other containers, which are hermetically sealed and heat-sterilized. Canned fishery products may include milk, vegetables, or other products. Most, but not all, canned fishery products can be stored at room temperature for an indefinite time without spoiling.

COMMERCIAL FISHERMAN. An individual who derives income from catching and selling living resources taken from inland or marine waters.

CONSUMPTION OF EDIBLE FISHERY PRODUCTS. Estimated amount of commercially landed fish, shellfish, and other aquatic animals consumed by the civilian population of the United States. Estimates are on an edible-weight basis and have been adjusted for beginning and ending inventories of edible fishery products. Consumption includes U.S. production of fishery products from both domestically caught and imported fish, shellfish, other edible aquatic plants, animals, and imported products and excludes exports and purchases by the U.S. Armed Forces.

CONTINENTAL SHELF FISHERY RESOURCES. These are living organisms of any sedentary species that at the harvestable stage are either (a) immobile on or under the seabed, (b) unable to move except in instant physical contact with the seabed or subsoil of the continental shelf. The Magnuson Act now lists them as certain abalones, surf clam and ocean quahog, queen conch, Atlantic deep-sea red crab, dungeness crab, stone crab, king crabs, snow (tanner) crabs, American lobster, certain corals, and sponges.

CURED FISHERY PRODUCTS. Products preserved by drying, pickling, salting, or smoking; not including canned, frozen, irradiated, or pasteurized products. Dried products are cured by sun or air-drying; pickled or salted products are those products preserved by applying salt, or by pickling (immersing in brine or in a vinegar or other preservative solution); smoked products are cured with smoke or a combination of smoking and drying or salting.

CUSTOMS TERRITORY. Unless otherwise noted, the foreign trade information presented is based on Bureau of the Census data for the Customs territory of theUnited States. The territory includes the 50 States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands.

DEFLATED VALUE. The deflated values referred to in this document are calculated with the Gross Domestic Products Implicit Price Deflator. The base year for this index is 1987.

EDIBLE WEIGHT. The weight of a seafood item exclusive of bones, offal, etc.

EEZ. See U.S. Exclusive Economic Zone.

EUROPEAN ECONOMIC COMMUNITY (EEC). Belgium and Luxembourg, Denmark, Federal Republic of Germany, Greece, France, Ireland, Italy, Netherlands, Portugal, Spain, and United Kingdom.

EXPORT VALUE. The value reported is generally equivalent to f.a.s. (free alongside ship) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. The value excludes the cost of loading, freight, insurance and other charges or transportation cost beyond the port of exportation.

EXPORT WEIGHT. The weight of individual products as exported, i.e., fillets, steaks, whole, breaded, etc. Includes both domestic and foreign re-exports data.

EXVESSEL PRICE. Price received by the harvester for fish, shellfish, and other aquatic plants and animals.

FISH BLOCKS. Regular fish blocks are frozen blocks or slabs of fillets or pieces of fillets cut or sliced from fish. Minced fish blocks are frozen blocks or slabs of minced flesh produced by a meat and bone separating machine.

FISH FILLETS. The sides of fish that are either skinned or have the skin on, cut lengthwise from the backbone. Most types of fillets are boneless or virtually boneless; some may be labeled as "boneless fillets."

FISH MEAL. A high-protein animal feed supplement made by cooking, pressing, drying, and grinding fish or shellfish.

FISH OIL. An oil extracted from body (body oil) or liver (liver oil) of fish and marine mammals; mostly a byproduct of fish meal production.

FISH PORTION. A piece of fish flesh that is generally of uniform size with thickness of 3/8 of an inch or more and differs from a fish stick in being wider or of a different shape. A fish portion is generally cut from a fish block.

FISH SOLUBLES. A water-soluble protein byproduct of fish meal production. Fish solubles are generally condensed to 50 percent solids and marketed as "condensed fish solubles."

FISH STEAK. A cross-section slice cut from a large dressed fish. A steak is usually about 3/4 of an inch thick.

FISH STICK. An elongated piece of breaded fish flesh weighing not less than 3/4 of an ounce and not more than 1-1/2 ounces with the largest dimension at least three times that of the next largest dimension. A fish stick is generally cut from a fish block.

FISHERY MANAGEMENT PLAN (FMP). A plan developed by a Regional Fishery Management Council, or the Secretary of Commerce under certain circumstances, to manage a fishery resource in the U.S. EEZ pursuant to the MFCMA (Magnuson Act).

FISHING CRAFT, COMMERCIAL. Boats and vessels engaged in capturing fish, shellfish, and other aquatic plants and animals for sale.

FULL-TIME COMMERCIAL FISHERMAN. An individual who receives more than 50 percent of their annual income from commercial fishing activities, including port activity, such as vessel repair and re-rigging.

GROSS REGISTERED TONNAGE (GRT). The gross registered tonnage of a vessel is the internal cubic capacity of all space in and on the vessel that is permanently enclosed, with the exception of certain permissible exemptions. GRT is expressed in tons of 100 cubic feet.

GROUNDFISH. Broadly, fish that are caught on or near the sea floor. The term includes a wide variety of bottomfishes, rockfishes, and flatfishes. However, NMFS sometimes uses the term in a narrower sense. In "Fisheries of the United States," the term applies to the following species--Atlantic and Pacific: cod, hake, ocean perch, and pollock; cusk; and haddock.

IMPORT VALUE. Value of imports as appraised by the U.S. Customs Service according to the Tariff Act of 1930, as amended. It may be based on foreign market value, constructed value, American selling price, etc. It generally represents a value in a foreign country, and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States.

IMPORT WEIGHT. The weights of individual products as exported, i.e., fillets, steaks, whole, headed, etc.

INDUSTRIAL FISHERY PRODUCTS. Items processed from fish, shellfish, or other aquatic plants and animals that are not consumed directly by humans. These items contain products from seaweeds, fish meal, fish oils, fish solubles, pearl essence, shark and other aquatic animal skins, and shells.

INTERNAL WATER PROCESSING (IWPs). An operation in which a foreign vessel is authorized by the governor of a state to receive and process fish in the internal waters of a state. The Magnuson Act refers to internal waters as all waters within the boundaries of a state except those seaward of the baseline from which the territorial sea is measured.

JOINT VENTURE. An operation authorized under the MFCMA (Magnuson Act) in which a foreign vessel is authorized to receive fish from U.S. fishermen in the U.S. EEZ. The fish received from the U.S. vessel are part of the U.S. harvest.

LANDINGS, COMMERCIAL. Quantities of fish, shellfish, and other aquatic plants and animals brought ashore and sold. Landings of fish may be in terms of round (live) weight or dressed weight. Landings of crustaceans are generally on a live-weight basis except for shrimp which may be on a heads-on or heads-off basis. Mollusks are generally landed with the shell on, but for some species only the meats are landed, such as sea scallops. Data for all mollusks are published on a meat-weight basis.

MAGNUSON FISHERY CONSERVATION AND MANAGEMENT ACT, Public Law 94-265, as amended. The Magnuson Act provides a national program for the conservation and management of fisheries to allow for an optimum yield (OY) on a continuing basis and to realize the full potential of the Nation's fishery resources. It established the U.S. Exclusive Economics Zone (EEZ) (formerly the FCZ - Fishery Conservation Zone) and a means to control foreign and certain domestic fisheries through PMPs and FMPs. Within the U.S. EEZ, the United States has exclusive management authority over fish (meaning finfish, mollusks, crustaceans, and all other forms of marine animal and plant life other than marine mammals, birds, and highly migratory species of tuna). The Magnuson Act provides further exclusive management authority beyond the U.S. EEZ for all continental shelf fishery resources and all anadromous species throughout the migratory range of each such species, except during the time they are found within any foreign nation's territorial sea or fishery conservation zone (or the equivalent), to the extent that such a sea or zone is recognized by the United States.

MARINE RECREATIONAL FISHING. Fishing for pleasure, amusement, relaxation, or home consumption.

MARINE RECREATIONAL CATCH. Quantities of finfish, shellfish and other living aquatic organisms caught, but not necessarily brought ashore, by marine recreational fisherman.

MARINE RECREATIONAL FISHERMEN. Those people who fish in marine waters primarily for recreational purposes. Their catch is primarily for home consumption, although occasionally a part or all of their catch may be sold and enter commercial channels. This definition is used in the NMFS Marine Recreational Fishery Statistics Survey, and is not intended to represent a NMFS policy on the sale of angler-caught fish.

MAXIMUM SUSTAINABLE YIELD (MSY). MSY from a fishery is the largest annual catch or yield in terms of weight of fish caught by both commercial and recreational fishermen that can be taken continuously from a stock under existing environmental conditions. A determination of MSY, which should be an estimate based upon the best scientific information available, is a biological measure necessary in the development of optimum yield.

METRIC TONS. A measure of weight equal to 1,000 kilograms, 0.984 long tons, 1.1023 short tons, or 2,204.6 pounds.

MOTORBOAT. A motor-driven commercial fishing craft having a capacity of less than 5 net tons, or not officially documented by the Coast Guard. See "boat, other."

NORTHWEST ATLANTIC FISHERIES ORGANIZATION (NAFO). This convention, which entered into force January 1, 1979, replaces ICNAF. NAFO provides a forum for continued multilateral scientific research and investigation of fishery resources that occur beyond the limits of coastal nations' fishery jurisdiction in the northwest Atlantic, and will ensure consistency between NAFO management measures in this area and those adopted by the coastal nations within the limits of their fishery jurisdiction.

OPTIMUM YIELD (OY). In the MFCMA (Magnuson Act), OY with respect to the yield from a fishery, is the amount of fish that (1) will provide the greatest overall benefit to the United States, with particular reference

to food production and recreational opportunities; and (2) is prescribed as such on the basis of maximum sustainable yield from such fishery, as modified by any relevant ecological, economic, or social factors.

PACKAGED FISH. A term used in NMFS publications prior to 1972 to designate fresh or frozen raw fish fillets and steaks.

PART-TIME COMMERCIAL FISHERMAN. An individual who receives less than 50 percent of their annual income from commercial fishing activities.

PER CAPITA CONSUMPTION. Consumption of edible fishery products in the United States divided by the total civilian population. In calculating annual per capita consumption, estimates of the civilian resident population of the United States on July 1 of each year are used. These estimates are taken from current population reports, series P-25, published by the U.S. Bureau of the Census.

PER CAPITA USE. The use of all fishery products, both edible and nonedible, in the United States divided by the total population of the United States.

PRELIMINARY FISHERY MANAGEMENT PLAN (PMP). The Secretary of Commerce prepares a PMP whenever a foreign nation with which the United States has made a Governing International Fishery Agreement (GIFA) submits an application to fish in a fishery not managed by an FMP. A PMP is replaced by an FMP as soon as the latter is implemented. A PMP applies only to foreign fishing.

RE-EXPORTS. Re-exports are commodities which have entered the U.S. as imports and are subsequently exported in substantially the same condition as when originally imported.

RETAIL PRICE. The price of fish and shellfish sold to the final consumer by food stores and other retail outlets.

ROUND (LIVE) WEIGHT. The weight of fish, shellfish, or other aquatic plants and animals as taken from the water; the complete or full weight as caught. The tables on world catch found in this publication include, in the case of mollusks, the weight of both the shells and the meats, whereas the tables on U.S. landings include only the weight of the meats.

SURIMI. Minced fish meat (usually Alaska pollock) which has been washed to remove fat and undesirable matters (such as blood, pigments, and odorous substances), and mixed with cryoprotectants, such as sugar and/or sorbitol, for a good frozen shelf life.

TOTAL ALLOWABLE LEVEL OF FOREIGN FISHING (TALFF). The TALFF, if any, with respect to any fishery subject to the exclusive fishery management authority of the United States, is that portion of the optimum yield of such fishery which will not be harvested by vessels of the United States, as determined by provisions of the MFCMA.

U.S. EXCLUSIVE ECONOMIC ZONE (EEZ). The MFCMA (Magnuson Act) defines this zone as contiguous to the territorial sea of the United States and extending seaward 200 nautical miles measured from the baseline from which the territorial sea is measured. This was formerly referred to as the FCZ (Fishery Conservation Zone).

U.S.-FLAG VESSEL LANDINGS. Includes landings by all U.S. fishing vessels regardless of where landed as opposed to landings at ports in the 50 United States. These include landings at foreign ports, U.S. territories, and foreign vessels in the U.S. FCZ under joint venture agreements. U.S. law prohibits vessels constructed or registered in foreign countries to land fish catches at U.S. ports.

U.S. TERRITORIAL SEA. A zone extending 3 nautical miles from shore for all states except Texas and the Gulf Coast of Florida where the seaward boundary is 3 marine leagues (9 nautical miles).

USE OF FISHERY PRODUCTS. Estimated disappearance of the total supply of fishery products, both edible and nonedible, on a round-weight basis without considering beginning or ending stocks, exports, military purchases, or shipments to U.S. territories.

VESSEL. A commercial fishing craft having a capacity of 5 net tons or more. These craft are either enrolled or documented by the U.S. Coast Guard and have an official number assigned by that agency.

WHOLESALE FISH AND SHELLFISH PRICES. Those prices received at principal fishery markets by primary wholesalers (processors, importers, and brokers) for customary quantities, free on board (f.o.b.) warehouse.

STATISTICAL SUBJECT INDEX

(Reference gives page number)

AQUACULTURE
Production 14

CLAMS
Aquaculture, 14
Canned, 40
Exports, 55, 66
Imports, 47, 66
Landings, 2, 8, 12, 66
Supply, 66
Value of landings, 2, 8, 12

COLD STORAGE
Holdings, monthly, 44

CONSUMPTION
Canned, 72, 74
Cured, 72
Fillets and steaks, 74
Fresh and frozen, 72
Per capita, by country, 76
Per capita, U.S., 72
Per capita, use, 75
Salmon, canned, 74
Sardines, canned, 74
Shellfish, canned, 74
Shrimp, 74
Sticks and portions, 74
Tuna, canned, 74

CRABS
Canned, 40, 67
Exports, 55, 60, 67
Frozen holdings, 44
Imports, 47, 67
Landings, 2, 8, 12, 67
Supply, 67
Value of landings, 2, 8, 12

CRAFT, FISHING
Number, by region and state, 83

DISPOSITION OF LANDINGS
United States, 3
World, 36

DUTIES
Collected, 48

EMPLOYMENT
Processors and wholsalers, 84
Region and State, 84

EXPORTS
All fishery products, 55
Crabs, 60, 67
Crabmeat, 60, 67
Continent and country, by, 57
Cured, 55

EXPORTS - continued
Edible, by years, 56
Fish meal, 55, 61, 71
Herring, 60
King crab, 67
Nonedible, by years, 56
Oils, 55, 61, 71
Principal items, 55
Salmon, canned, 55, 59, 66
Salmon, fillets, 55, 59
Salmon, whole or eviscerated, 55, 59
Sardines, canned, 55, 66
Shrimp, canned, 55, 58, 70
Shrimp, domestic and foreign products, 58, 70
Shrimp, fresh and frozen, 55, 58, 70
Snow (tanner) crab, 67
Value, by years, 56
Volume, by years, 56
World, by country, 37

FLOUNDERS
Fillets, 39
Frozen holdings, 44
Landings, 1, 6, 10
Value of landings, 1, 6, 10

GROUNDFISH FILLETS AND STEAKS
Fillets, supply, 64
Imports, 50

HALIBUT
Fillets, 39
Frozen holdings, 44
Landings, 1, 6, 10
Steaks, 39
Value of landings, 1, 6, 10

HERRING, SEA
Canned (sardines), 40
Consumption (sardines), per capita, 74
Exports (sardines), 60
Imports (sardines), 47
Landings, 1, 6, 10
Value of landings, 1, 6, 10
World catch, 36

IMPORTS
All fishery products, 47, 48
Blocks and slabs, 47, 50, 64
Clams, canned, 47
Continent and country, by, 49
Crabmeat, canned, fresh and frozen, 47, 67

IMPORTS - continued
Cured, 47
Duties collected, 48
Edible, 47, 48, 49, 62, 63
Fillets, groundfish, 47, 50
Fillets, other than groundfish and ocean perch, 47
Finfish, 63
Groundfish, 50, 64
Herring, canned, 47
Industrial, 62, 63
Lobsters, canned, 47
Lobsters, fresh and frozen, 47, 68
Meal and scrap, 47, 53, 71
Nonedible, 47, 48, 49
Oils, 47, 71
Oysters, canned, 47, 69
Principal items, 47
Quota, canned tuna, not in oil, 51
Salmon, canned, 47, 66
Salmon, fresh and frozen, 47
Sardines, canned, 47, 66
Scallop meats, 47, 69
Shellfish, 63
Shrimp, by country, 52
Shrimp, by products, 53
Tuna, canned, 47, 51, 65
Tuna, fresh and frozen, 47, 65
Value, by years, 48
Volume, by year, 48
World, by country, 37

INSPECTION
Establishments and amount inspected, 85

LANDINGS
Disposition, 3
Foreign shores, off, 6, 10
Human food (edible), 3
Industrial, 3
Months, by, 3
Ports, major U.S., 5
Record year, by States, 4
Species, by, 1, 6, 10
State and region, historical, 16
State and region, current, 4
U.S., 1, 3
U.S., Shores, distance from, 6, 10
World, 33, 34, 35, 36, 37

LOBSTERS, AMERICAN
Imports, 47, 68
Landings, 2, 8, 12
Supply, 68
Value of landings, 2, 8, 12

(Reference gives page number)

LOBSTER, SPINY
Frozen holdings, 45
Imports, 47, 68
Landings, 2, 8, 12, 68
Supply, 68
Value of landings, 2, 8, 12

MACKERELS
Landings, 1, 6, 10
Value of landings, 1, 6, 10
World catch, 36

MAGNUSON FISHERY CONSERVATION AND MANAGEMENT ACT (MFCMA)
Fishery Management Plan, 87
Allocations by species and country, 89
Fees, foreign fishing, 86
General description, 86
Regional Fishery Management Councils, 88

MEAL AND SCRAP
Exports, 55, 61, 71
Imports, 47, 53, 71
Landings, disposition, 3
Mackerel, 43
Menhaden, 43
Production, U.S., 43
Supply, 71
Tuna, 43
World, disposition, 36

MENHADEN
Landings, 1, 7, 11
Meal, 43
Oil, 43
Value of landings, 1, 7, 11

OIL
Exports, 55, 61, 71
Imports, 47, 71
Menhaden, 43
Production, 43
Supply, 71
World, disposition, 36

OYSTERS
Aquaculture, 14
Canned, 40
Imports, 47, 69
Landings, 2, 8, 12
Supply, 69
Value of landings, 2, 8, 12

PLANTS AND FIRMS
Employment, 84
Processors and wholesalers, 84

PRICES
Exvessel index, 79

PROCESSING
Animal food and bait, canned, 38, 40, 42
Canned products, 38, 40, 41
Canned, by year, 42
Clams, canned 40
Crabs, canned, 40, 67
Employment in, 84
Fillets and steaks, fresh and frozen, 39
Frozen holdings, 44
Industrial products, 43
Meal, oil, 43
Oysters, canned, 40
Plants, number of, 84
Salmon canned, 40, 41
Sardines, canned, 40
Shrimp, canned, 40, 41
Sticks, portions, and breaded shrimp, 38
Tuna, canned, 40, 41
Value, processed products, 38

RECREATIONAL FISHERIES,
Marine, 28, 29, 30

SALMON
Aquaculture, 14
Canned, 40, 41, 66
Consumption, per capita, 74
Exports, 55, 59, 66
Fillets and steaks, 39
Frozen holdings, 44
Imports, 47
Landings, 1, 7, 11
Supply, canned, 66
Value of landings, 1, 7, 11
World catch, 36

SARDINES
Canned, 40, 66
Consumption, per capita, 74
Exports, 55, 66
Imports, 47, 66
Supply, canned, 66
World catch, 36

SCALLOPS
Exports, 55, 69
Imports, 47, 69
Landings, 2, 9, 13
Supply, 69
Value of landings, 2, 9, 13

SHRIMP
Aquaculture, 14
Breaded, 38
Canned, 40, 41, 70
Consumption, per capita, 74
Exports, 55, 58, 70
Frozen holdings, 44
Imports, 47, 52, 53, 70
Landings, head-off, 70
Landings, head-on, 2, 9, 13
Supply, canned, 70

SHRIMP - continued
Supply, total, 70
Value of landings, 2, 9, 13
World catch, 36

SUPPLY
All fishery products, 62, 63
Blocks, 64
Clam meats, 66
Crabs, fresh and frozen, canned, 67
Edible fishery products, 62, 63, 64
Fillets and steaks, all, 64
Fillets and steaks, groundfish, 64
Finfish, 63
Industrial fishery products, 62, 63
Lobsters, American, 68
Lobsters, spiny, 68
Meal, 71
Meal and solubles, 71
Oils, 71
Oysters, 69
Salmon, canned, 66
Sardines, canned, 66
Scallop meats, 69
Shellfish, 63
Shrimp, 70
Shrimp, canned, 70
Tuna, canned, 65

TUNA
Canned, 40, 41, 65
Consumption, per capita, 74
Imports, 47, 51, 65
Landings, 2, 8, 12, 65
Meal, 43
Quota, imports, canned, 51
Supply, canned, 65
Value of landings, 2, 8, 12
World catch, 36

USE
Per capita, 72
Landings, by month, 3
Valued added, 81

WHITING
Frozen holdings, 45
Landings, 2, 8, 12
Value of landings, 2, 8, 12

WORLD FISHERIES
Catch by countries, 34
Catch by continents, 35
Catch by major fishing areas, 35
Catch by species groups, 36
Catch by years, 33, 34
Disposition, 36
Imports and exports value, 37
Per capita consumption, by country, 76

☆ U.S. GOVERNMENT PRINTING OFFICE:1993-341-834/84042

------NOTES------

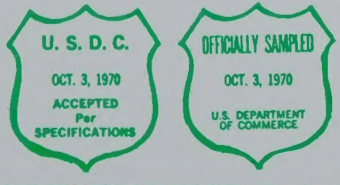
NATIONAL SEAFOOD INSPECTION PROGRAM. The U.S. Department of Commerce (USDC), National Marine Fisheries Service, a part of the National Oceanic and Atmospheric Administration, conducts a voluntary seafood inspection program on a fee-for-service basis. A HACCP-based service is also available. Services provided by the program include vessel and plant sanitation, product inspection and grading, label reviews product specification reviews, laboratory analyses, training, education and information. Inspection and certification services are available nationwide and in U.S. territories for all interested parties. Consultative services are provided in foreign countries. Inspection and certification services are also provided for imported and exported products.

USERS OF INSPECTION SERVICES. The users of the voluntary seafood inspection service include vessel owners, processors, distributors, brokers, retailers, food service operators, exporters, importers, and those who have a financial interest in buying and selling seafood products. The military requires USDC inspected products be purchased for its troop feeding program. The U.S. Department of Agriculture also recommends that USDC inspected products be purchased for its food feeding programs. The **USDC APPROVED LIST OF FISH ESTABLISHMENTS AND PRODUCTS**, published bi-annually, provides a listing of products and participants who contract with USDC. Currently thirteen states and four commodity groups of the U.S. Department of Agriculture maintain agreements with the USDC for the cross-licensing of food inspectors to assist in the inspection and certification of fishery products.

USDC INSPECTION MARKS. The official marks authorized for use on products in the USDC inspection program are found in the Code of Federal Regulations, Title 50. These marks designate the level and the type of inspection performed by the federal inspector. The marks can be used in advertising and labeling under the guidelines provided by the Inspection Services Division and in accordance with federal and state regulations regarding advertising and labeling. Products bearing the USDC official marks have been certified as being safe, wholesome, and properly labeled.

"US GRADE A MARK." The U.S. GRADE A mark signifies that a product has been processed under federal inspection in an approved facility and meets the established level of quality of an existing U.S. grade standard. The U.S. Grade A mark indicates that the product is of high quality, uniform in size, practically free from blemishes and defects, in excellent condition and possessing good flavor and odor.

"PACKED UNDER FEDERAL INSPECTION" MARK. The PUFI mark or statement signifies that the product has been inspected in an approved facility by a federal inspector and was found to be safe, wholesome and properly labeled according to approved specifications or criteria.



LOT INSPECTION MARKS. Products inspected on a lot inspection basis, whether in an approved facility or in a warehouse, cold storage facility or dock, by a federal inspector, can bear an official lot inspection mark. The **OFFICIALLY SAMPLED** mark signifies that the products were officially sampled for wholesomeness, condition and other factors as requested. The **ACCEPTED PER SPECIFICATIONS** mark identifies products which were officially sampled and inspected to conform to approved specifications or criteria.

USDC HACCP-BASED SERVICE. The USDC HACCP-based service is available to all interested parties on a fee-for-service basis. Label approval, record keeping and analytical testing are program requirements. An industry NMFS certified employee trained in HACCP principles is also required for each facility/site in the program. Compliance ratings determine frequency of official visits. Costs are consistent with current program rates. Benefits to participants include increased controls through a more scientific approach, use of established marks, increased efficiency of federal inspection personnel, and enhanced consumer confidence.

FOR FURTHER INFORMATION:

Northeast Inspection Branch
National Marine Fisheries Service
One Blackburn Drive
Gloucester, MA 01930
(508) 281-9292 (FAX: 281-9223)

Southeast Inspection Branch
National Marine Fisheries Service
Duval Building
9450 Koger Blvd.
St. Petersburg, FL 33702
(813) 893-3155 (FAX: 893-3111)

Western Inspection Branch
National Marine Fisheries Service
5600 Rickenbacker Road
Building No. 7
Bell, CA 90201
(213) 894-5369 (FAX: 894-5398)

National Inspection Laboratory
National Marine Fisheries Service
3209 Frederic St.
P.O. Drawer 1207
Pascagoula, MS 39567
(601) 762-7402 (FAX: 769-9200)

Inspection Services Division
National Marine Fisheries Service
1335 East-West Highway
Silver Spring, MD 20910
(301) 713-2355 (FAX: 588-4853)

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service F/RE1
1335 East West Highway
Silver Spring, MD 20910

40

FIRST CLASS MAIL

OFFICIAL BUSINESS